AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. 000251

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

This administrative modification is a zero dollar adjustment (zero#35 and 26 PR#4200365196 and 4200365501) All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Other Administrative Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $344,079,382.02
New Total Amount for this Award: $621,487,502.02
Buyer changed
from ADRIANNE PEYTON
to Gerald Norris
Continued ...

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)*
Gerald Norris

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
Gerald Norris
(Signature of Contracting Officer)

16C. DATE SIGNED 12-13-10

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Contracting Officer changed from ADRIANNE PEYTON to Gerald Norris CHANGES FOR LINE ITEM NUMBER: 2 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/0/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 0/000/2540/64-956635/EXCX02006D/538A/6/7 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/0/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $4,291.37 to $.01 Percent changed from .00199 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8467.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8467.09/ 000/2540/64/CASX22009R/CASP/42/43 to 64BA22/6100.2540/FC000000/329527.01.09.8467.09/000 /2540/64/CASX22009R/CASP Amount changed from $6,000.00 to $1,964.91 Percent changed from .00321 to .00083 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8567.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8567.09/ 000/2540/64/CASX22009R/CASP/21/22 to 64BA22/6100.2540/FC000000/329527.01.09.8567.09/000 /2540/64/CASX22009R/CASP Amount changed from $10,000.00 to $9,790.54 Percent changed from .00514 to .00415 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/1/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 1/000/2540/64-956635/EXCX02006D/538A/11/12 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/1/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $56,407.76 to $15,838.45 Percent changed from .02606 to .00672 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8577.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8577.09/ 000/2540/64/CASX22009R/CASP/25/26 to 64BA22/6100.2540/FC000000/329527.01.09.8577.09/000 /2540/64/CASX22009R/CASP Amount changed from $106,000.00 to $102,555.08 Percent changed from .05443 to .0435 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/196325.02.01/000/2540/64 -196325/ESAX02006D/389A Amount changed from $19,183.32 to $6,177.44 Percent changed from .00814 to .00262 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/196325.02.01/000/2540/64 -196325/ESAX02006D/389A Amount changed from $184,937.41 to $154,937.41 Percent changed from .07844 to .06572 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8541.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8541.09/ 000/2540/64/CASX22009R/CASP/18/19 to 64BA22/6100.2540/FC000000/329527.01.09.8541.09/000 /2540/64/CASX22009R/CASP Amount changed from $7,000.00 to $6,524.35 Percent changed from .00374 to .00277 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/6/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $69,801.06 to $40,324.28 Percent changed from .02961 to .0171 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8661.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8661.10/ 000/2540/64/CASX22010R/CASP/8/9 to 64BA22/6100.2540/FC000000/329527.01.09.8661.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,085.18 to $1,379.26 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .00143 to .00059 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.06/000/2540 /64/CECX62010D/573Z Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.06/000/2 540/64/CECX62010D/573Z/6/7 to 64RA00/6100.2540/FC000000/821001.09.01.06/000/2540 /64/CECX62010D/573Z Amount changed from $5,117.88 to $4,731.87 Percent changed from .00217 to .00201 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 5/000/2540/64/EXPX22010D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.65/000/2540/64/EXPX22010D/234A/4/5 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 5/000/2540/64/EXPX22010D/234A Amount changed from $850,000.00 to $65,182.35 Percent changed from .36052 to .02765 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/736466.06.03.09/000/2540 /64/CASX22010D/361N Amount changed from $581,685.12 to $568,348.12 Percent changed from .24672 to .24106 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8408.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8408.09/ 000/2540/64/CASX22009R/CASP/9/10 to 64BA22/6100.2540/FC000000/329527.01.09.8408.09/000 /2540/64/CASX22009R/CASP Amount changed from $40,000.00 to $26,927.47 Percent changed from .02139 to .01142 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.05.15.05.0/9.0 1/000/2540/64/EXPX22010D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.05.15.05.0/ 9.01/000/2540/64/EXPX22010D/234A/2/3 to 64PA00/6100.2540/FC000000/136905.08.05.15.05.0/9.0 1/000/2540/64/EXPX22010D/234A Amount changed from $56,333.00 to $41,870.06 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .02611 to .01776 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/821001.09.01.02/000/2540 /64/CECX62010D/573Z Account code changed from 64RA10/6100.2540/64/FC000000/821001.09.01.02/000/2 540/64/CECX62010D/573Z/2/3 to 64RA10/6100.2540/FC000000/821001.09.01.02/000/2540 /64/CECX62010D/573Z Amount changed from $14,672.00 to $2,277.00 Percent changed from .00622 to .00097 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/821001.09.01.06/000/2540 /64/CECX62010D/573Z Account code changed from 64RA10/6100.2540/64/FC000000/821001.09.01.06/000/2 540/64/CECX62010D/573Z/5/6 to 64RA10/6100.2540/FC000000/821001.09.01.06/000/2540 /64/CECX62010D/573Z Amount changed from $13,614.00 to $.01 Percent changed from .00577 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 8/000/2540/64-956635/EXCX02006D/538A/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $373,264.25 Percent: .15832 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/2/3 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $22,028.26 Percent: .00934 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/384161.09.09.03/000/2 540/64/WCNX04546R/664A/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00212 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/384161.09.09.02/000/2 540/64/WCNX04546R/664A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .00424 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.05/000/2 540/64/CASX32009D/255X/5/6 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .01272 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.0/ 1/000/2540/64-956635/EXCX02006D/538A/6/7 Cost Center 64RA10 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $34,000.00 Percent: .01442 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.0/ 8/000/2540/64-956635/EXCX02006D/538A/7/8 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $28,402.00 Percent: .01205 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/5/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $2,038,293.02 to $1,644,960.16 Percent changed from .94613 to .6977 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/0/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $165,710.39 to $137,313.57 Percent changed from .07655 to .05824 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/6/0 00/2540/64-956635/EXCX02006D/538A Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $36,378.55 Percent: .01543 Subject To Funding: N Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8527.09/000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8527.09/ 000/2540/64/CASX22009R/CASP/16/17 to 64BA22/6100.2540/FC000000/329527.01.09.8527.09/000 /2540/64/CASX22009R/CASP Amount changed from $35,336.00 to $29,893.96 Percent changed from .01889 to .01268 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8451.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8451.09/ 000/2540/64/CASX22009R/CASP/10/11 to 64BA22/6100.2540/FC000000/329527.01.09.8451.09/000 /2540/64/CASX22009R/CASP Amount changed from $5,000.00 to $3,336.29 Percent changed from .00267 to .00142 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,555.00 Percent: .01296 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,636.00 Percent: .0113 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/FC000000/329527.01.09.8983.11/000/2540/64/CASX12011R/CASP Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $43,514.57 Percent: .01846 Subject To Funding: N Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/000/2540/64/CASX12011R/CASP/12/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .04241 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8587.11/000/2540/64/CASX12011R/CASP/13/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,386.02 Percent: .00398 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/000/2540/64/CASX12011R/CASP/14/15 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $55,431.63 Percent: .02351 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.21/000/2540/64/EXPX22011D/234A/15/16 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .00424 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.23/000/2540/64/EXPX22011D/234A/16/17 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .00848 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/17/18 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $330,000.00 Percent: .13997 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.53/000/2540/64/EXPX22011D/234A/18/19 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .01697 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/19/20 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .00848 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.58/000/2540/64/EXPX22011D/234A/20/21 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .02121 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/2/22 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .04241 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 3/000/2540/64/EXPX22010D/234A Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $33,538.64 Percent: .01423 Subject To Funding: N Payment Address: CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8663.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8663.10/ 000/2540/64/CASX22010R/CASP/20/21 to 64BA22/6100.2540/FC000000/329527.01.09.8663.10/000 /2540/64/CASX22010R/CASP Amount changed from $97,000.00 to $96,994.98 Percent changed from .17394 to .17266 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/5/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 5/000/2540/64-956635/EXCX02006D/538A/13/14 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/5/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $18,941.00 to $.01 Percent changed from .03297 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/0/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 0/000/2540/64-956635/EXCX02006D/538A/14/15 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/0/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $117,689.00 to $3,978.96 Percent changed from .20485 to .00708 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/5/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 5/000/2540/64-956635/EXCX02006D/538A/4/5 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/5/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $50,000.00 to $11,616.57 Percent changed from .08813 to .02068 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.01/000/2540 /64/CECX62010D/573Z Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.01/000/2 540/64/CECX62010D/573Z/1/2 to 64RA00/6100.2540/FC000000/821001.09.01.01/000/2540 /64/CECX62010D/573Z Amount changed from $5,664.00 to $1,504.00 Percent changed from .01021 to .00268 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8654.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8654.10/ 000/2540/64/CASX22010R/CASP/20/21 to 64BA22/6100.2540/FC000000/329527.01.09.8654.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,500.00 to $503.08 Percent changed from .0027 to .0009 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/5/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 5/000/2540/64-956635/EXCX02006D/538A/1/43 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/5/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $98,443.50 to $81,539.41 Percent changed from .17748 to .14515 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.1/9/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	9/000/2540/64-956635/EXCX02006D/538A/2/3 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.1/9/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $176,428.50 to $157,858.60 Percent changed from .31098 to .28101 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/284781.09.01.01/000/2540 /64/CECX62010D/769Z Amount changed from $88,435.65 to $86,835.65 Percent changed from .15743 to .15458 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8658.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8658.10/ 000/2540/64/CASX22010R/CASP/19/20 to 64BA22/6100.2540/FC000000/329527.01.09.8658.10/000 /2540/64/CASX22010R/CASP Amount changed from $200.00 to $186.07 Percent changed from .00036 to .00033 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8658.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8658.10/ 000/2540/64/CASX22010R/CASP/12/13 to 64BA22/6100.2540/FC000000/329527.01.09.8658.10/000 /2540/64/CASX22010R/CASP Amount changed from $340.00 to $.01 Percent changed from .00062 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8779.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8779.10/ 000/2540/64/CASX22010R/CASP/24/25 to 64BA22/6100.2540/FC000000/329527.01.09.8779.10/000 /2540/64/CASX22010R/CASP Amount changed from $80,257.73 to $78,148.29 Percent changed from .14662 to .13911 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 6/000/2540/64-956635/EXCX02006D/538A/1/43 Cost Center 64RA10 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $206,508.45 Percent: .36761 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/5/63 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,937.00 Percent: .00879 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.63/000/2540/64/EXPX22010D/234A/4/62 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,288.30 Percent: .00763 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8899.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8899.11/ 000/2540/64/CASX12011R/CASP/33/34 to 64BA22/6100.2540/FC000000/329527.01.09.8899.11/000 /2540/64/CASX12011R/CASP Amount changed from $25,000.00 to $15,000.00 Percent changed from .04795 to .02877 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/736466.06.03.09/000/2540/64/CASX12011D/361N/1/100 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,400.00 Percent: .01611 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/572196.06.09/000/2540/64/CASX12011D/618I/2/101 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,600.00 Percent: .00307 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 3

2. AMENDMENT/MODIFICATION NO. 000252

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

This administrative modification is a zero dollar adjustment (zero#39 PR#4200368326) All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Other Administrative Action
Total Amount for this Modification: $0.00

CHANGES FOR LINE ITEM NUMBER: 3
CHANGES FOR ACCOUNTING CODE:
64PA00/6100.2540/FC000000/750271.09.04.09.29/000/2540/64/EXCX22010D/734A
Amount changed from $44,157.55 to $39,528.40
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 12-14-10

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .07861 to .07037 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.09.01.09.03/000/2 540/64/EXCX22010D/734A Amount changed from $2,710.58 to $.01 Percent changed from .00483 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22010D/734A/1/44 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,339.72 Percent: .01307 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.09.02.09.01/000/2 540/64/EXCX22011D/734A Account code changed from 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/10/11 to 64PA00/6100.2540/FC000000/750271.09.02.09.01/000/2 540/64/EXCX22011D/734A Amount changed from $500,000.00 to $400,000.00 Percent changed from .95903 to .76723 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19181 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED NNS07AB21C/000252	PAGE 3 OF 3

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22010D/734A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $0.00 Percent: 0 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES: 1 | 8

2. AMENDMENT/MODIFICATION NO.: 000253

3. EFFECTIVE DATE: See Block 16C

4. REQUISITION/PURCHASE REQ. NO.: See Schedule

5. PROJECT NO. *(If applicable)*:

6. ISSUED BY — CODE: SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* — CODE: SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE: 07486 | FACILITY CODE:

(x) 9A. AMENDMENT OF SOLICITATION NO.:

9B. DATED *(SEE ITEM 11)*:

X 10A. MODIFICATION OF CONTRACT/ORDER NO.: NNS07AB21C

10B. DATED *(SEE ITEM 13)*: 07/14/2007

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)*: See Schedule — Net Increase: $984,152.18

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* 52.232-32 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR # 4200368394, 4200368194, 4200367053, & deob #41)

2. See continuation pages 7-8.

3. All other terms and conditions remain the same.

Obligated Amount for this Modification: $984,152.18

Continued ...

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)*: ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR — *(Signature of person authorized to sign)*

15C. DATE SIGNED:

16B. UNITED STATES OF AMERICA — *(Signature of Contracting Officer)*

16C. DATE SIGNED: 12-14-10

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 2 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/335763.09.01.04.04/000/2540/64/CASX02009D/855F Amount changed from $65,271.00 to $46,423.00 Percent changed from .02768 to .01969 CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.04/000/2540/64/CASX32009D/255X Account code changed from 64RA10/6100.2540/64/FC000000/677932.09.01.04/000/2540/64/CASX32009D/255X/1/2 to 64RA10/6100.2540/FC000000/677932.09.01.04/000/2540/64/CASX32009D/255X Amount changed from $23,660.97 to $14,199.97 Percent changed from .04266 to .02528 CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $1,012,461.18 Incremental Funded Amount changed from (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/398217.04.01.09/000/2540/64/EDUX22011D/833A/1/2 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $152,500.00 Percent: .2925 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/402463.04.01.09/000/2540/64/EDUX22011D/833A/2/3 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,000.00 Percent: .02302 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/269027.04.09/000/2540 /64/SCEX22011D/515A/3/4 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.9016.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,500.00 Percent: .00288 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,809.00 Percent: .02649 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $780.00 Percent: .0015 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22010D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .28771 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $250,000.00 Percent: .47952 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $70,000.00 Percent: .13426 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.28/000/2540/64/EXPX22011D/234A/4/5 Cost Center 64PA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03836 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.53/000/2540/64/EXPX22011D/234A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .07672 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19181 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.58/000/2540/64/EXPX22011D/234A/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19181 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/8/9 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $61,872.18 Percent: .11867 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64TA00/6100.2540/64/FC000000/750271.01.09.02/000/2 540/64/EXCX22010D/734A/1/2 Cost Center 64TA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05754 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through April 1, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through December 24, 2010.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 52,405,071.69	$ 984,152.18	$51,420,919.51

4. Accounting and Appropriation Data:

PR number 4200368394:	(See Funding Data, Pages 1-6)$	$190,589.00
PR number 4200368194:	(See Funding Data, Pages 1-6)$	$791,872.18
PR number 4200367053:	(See Funding Data, Pages 1-6)$	$30,000.00
Deob #41	(See Funding Data, Pages 1-6)$	$-28,309.00

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES 1 | 12

2. AMENDMENT/MODIFICATION NO. 000254

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule Net Increase: $956,935.46

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* 52.232-32 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR # 4200368527, 42003688227 & 4200366599)

2. See continuation pages 11-12.

3. All other terms and conditions remain the same.

Obligated Amount for this Modification: $956,935.46

CHANGES FOR LINE ITEM NUMBER: 2

Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 12-16-10

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/270687.09.10.01/000/2 540/64/ESAX02008D/361A/2/3 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $504.56 Percent: .00021 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.05/000/2 540/64/CASX32009D/255X/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .00848 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/712168.09.02.12/000/2 540/64-712168/EXCX02006D/538A/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $765.97 Percent: .00032 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.1/ 7/000/2540/64-956635/EXCX02006D/538A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $573.37 Percent: .00024 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 0/000/2540/64-956635/EXCX02006D/538A/5/6 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,848.21 Percent: .00248 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 4/000/2540/64-956635/EXCX02006D/538A/6/7 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,608.83 Percent: .00068 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 5/000/2540/64-956635/EXCX02006D/538A/7/8 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,876.51 Percent: .00419 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/8/9 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $15,413.51 Percent: .00654 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 6/000/2540/64-956635/EXCX02006D/538A/9/10 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $19,000.00 Percent: .00806 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.02/000/2 540/64/WCNX04546R/664A/10/11 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .00848 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.07/000/2 540/64/WCNX04546R/664A/11/12 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00127 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/335763.09.01.04.02/00 0/2540/64/CASX02009D/855F/12/13 Cost Center 64BA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $18,848.00 Percent: .00799 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8727.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00127 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8940.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,986.27 Percent: .00254 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8939.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $11,200.00 Percent: .00475 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8942.11/ 000/2540/64/CASX12011R/CASP/5/6 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,000.00 Percent: .00509 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8943.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00212 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8989.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .01272 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $197,273.40 Percent: .08367 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.8932.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,900.00 Percent: .00377 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8937.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .00424 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8674.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00212 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8945.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00085 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8938.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00127 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $188,800.00 Percent: .08008 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8918.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .00424 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8922.11/ 000/2540/64/CASX12011R/CASP/15/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $36,000.00 Percent: .01527 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8924.11/ 000/2540/64/CASX12011R/CASP/16/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,500.00 Percent: .00148 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8854.11/ 000/2540/64/CASX12011R/CASP/17/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $160,000.00 Percent: .06786 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/18/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,817.00 Percent: .00416 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8907.11/ 000/2540/64/CASX12011R/CASP/19/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,850.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00078 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8917.11/ 000/2540/64/CASX12011R/CASP/20/22 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,076.14 Percent: .00597 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8914.11/ 000/2540/64/CASX12011R/CASP/21/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,523.69 Percent: .00149 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.08/000/2 540/64/CECX62010D/573Z/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $120,570.00 Percent: .05114 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through April 5, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through December 24, 2010.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	$ (b)(4)	(b)(4)
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 51,420,919.51	$ 956,935.46	$ 50,463,984.05

4. Accounting and Appropriation Data:

PR number 4200366599:	(See Funding Data, Pages 1-10)$	$120,570.00
PR number 4200368227:	(See Funding Data, Pages 1-10)$	$720,926.50
PR number 4200368527:	(See Funding Data, Pages 1-10)$	$115,438.96

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF 3 PAGES

2. AMENDMENT/MODIFICATION NO. 000255

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: American Recovery and Reinvestment Act (Recovery Act) of 2009, PL 111-5
	D. OTHER *(Specify type of modification and authority)*

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

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

This contract action includes American Recovery and Reinvestment Act of 2009 scope of work.

1. The purpose of this modification is to extend period of performance related to American Recovery and Reinvestment Act of 2009 (ARRA). Please see Attachment 3 -Statement of Work.

2. The extension is being incorporated into CLIN 11 of modification #178 & 226 and is a continuation of Dual Use Initiatives TAS: Exploration, Recovery Act 80-0123. All services shall be performed in accordance with the American Recovery and Reinvestment Act of 2009. Period of Performance is now reflected as: 8/28/2010-01/31/2011.

3. There are no additional funds associated with this modification.

Continued ...

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)* Larry Bramlitt, VP/GM

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)* Gerald Norris

15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*

15C. DATE SIGNED 10/17/2010

16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*

16C. DATE SIGNED 12-20-10

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	4. Contractor's Statement of Release: In consideration of the modification agreed to herin of the changes noted in items 1-3 above, the Contractor hereby releases the government from any further liability under this contract for any equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein. 5. All other terms and conditions remain the same. Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

The purpose of this modification is to: extend the period of performance of CLIN 11. The period of performance is being changed from 08/28/2010 - 12/24/2010 to 08/28/2010 - 01/31/2011. Due to critical contract changes that hindered performance, three (3) projects from the original modification are being extended past the original scheduled date of 12/24/2010 to 01/31/2011 The three projects are identified as follows: (1) LOX Barge and Tug Boat Shipyard Repairs, (2) A-2 Liquid Oxygen (LOX) and Liquid Hydrogen (LH) Transfer Line and (3) Liquid Oxygen (LOX) Barge Pumps Replacement. This requirement is being funded by the American Recovery and Reinvestment Act of 2009 (ARRA) (PL 111-5). The use of ARRA funds for this effort shall be performed under CLIN 10 and 11of this contract. The ARRA requirements specified in modification 178 & 226 apply to this modification.

This modification also documents that the HQ waiver previously extended our projects through December 31, 2010. The period of performance for CLIN 11 should have read as follows: 08/28/2010 – 12/31/2010 instead of 08/28/2010 - 12/24/2010. This modification also corrects that error.

LIST OF CHANGES:

- Contract Part I Section B.2.1. -clause Estimated Cost and Incentive Fee (NFS 1852.216-84) (OCT 1996) section titled Basic Period and Award Term Period 1 is hereby changed to reflect ARRA CLIN 11 period of performance. This clause is replaced in its entirety and the attached revised clause (Modification-Attachment 1) is substituted in place thereof. This change affects page 24 of 1478 of the contract.

- Contract Part I Section B.3. -clause Contract Funding (NASA 1852.232-81) (JUN 1990) is hereby modified to reflect the changes to cost, fee and total contract value. This clause is replaced in its entirety and the attached revised clause (Modification-Attachment 2) is substituted in place thereof. This change affects page 26 of 1478 of the contract.

Contractor's Statement of Release: In consideration of the modification agreed to herein of the changes noted above, 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 the proposal for adjustment, except for none.

B.2.1 ESTIMATED COST AND INCENTIVE FEE (NFS 1852.216-84) (OCT. 1996)

PLEASE SEE SUMMARY TABLE BELOW FOR CONTRACT VALUE CHANGES

BASIC PERIOD (CLIN 2)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/07 – 08/27/08	(b)(4)	(b)(4)					$ 71,799,321
08/28/08 – 08/27/09							$ 84,087,858
08/28/09 – 08/27/10							$ 80,579,787
Total							$ 236,466,966
		Recovery Act Value (CLIN 10)					
08/28/09 – 08/27/10		(b)(4)					$2,394,151
		Recovery Act Value (CLIN 12)					
08/28/09 – 08/27/10		(b)(4)					$1,303,122
		Basic Period Total					
08/28/09 – 08/27/10		(b)(4)					$ 240,164,239

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

TARGET COST AND INCENTIVE FEE APPLICABLE TO EACH AWARD TERM PERIOD:

AWARD TERM PERIOD 1 (CLIN 3)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/10 – 08/27/11	(b)(4)	(b)(4)	(b)(4)				$ 55,476,553
			Recovery Act Value (CLIN 11*)				
08/28/10 – 08/27/11*			(b)(4)				$286,540
			Award Term Period Total				
08/28/10 – 08/27/11			(b)(4)				$ 55,763,093

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee – Reimbursements
*CLIN 11 period of performance ends 01/31/2011

NON-AMERICAN RECOVERY AND REINVESTMENT ACT FUNDS

B. 3 CONTRACT FUNDING (NASA 1852.232-81) (JUN 1990)

1. Below identifies cost and fee associated with CLIN 1-9.
   (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 $277,650,492.62. This allotment is for Facility Operating Services at the John C. Stennis Space Center and covers the following estimated period of performance: August 28, 2007 through April 05, 2011.

   (b) An additional amount of [redacted] (b)(4) is obligated under this contract for payment of Performance Incentive Fee and [redacted] (b)(4) for Cost Incentive Fee.

(c)

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/07 – 08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted] (b)(4)		
Provisional Incentive Fee			
Cost	[redacted] (b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

AMERICAN RECOVERY AND REINVESTMENT ACT FUNDS

B. 3.1 CONTRACT FUNDING (NASA 1852.232-81) (JUN 1990)

1. Below indicates cost and fee associated with CLINS 10, 11 and 12.
   (a) An additional amount of [redacted] (b)(4) of ARRA funding is obligated under this contract specifically for the payment of cost, to exclude fee, for performance of ARRA-funded effort and requirements and covers an estimated period of performance of 07 December 2009 through 31 January 2011.

(b) An additional amount of (b)(4) of ARRA funding is obligated under this contract for payment of Performance Incentive Fee and (b)(4) for Cost Incentive Fee.

(c)

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	(b)(4)	(b)(4)
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

REVISED STATEMENT OF WORK
12/16/2010

The projects identified below shall be completed under John C. Stennis Space Center's Facilities Operations and Support Contract (FOSC) NNS07AB21C, CLIN 10 (Period of Performance: 08-16-10 - 08-27-10) /CLIN 11 (Period of performance: 08-28-10 -01-31-11), utilizing ARRA funding.

For project implementations, the FOSC contractor shall coordinate all ARRA funded tasks with the John C. Stennis Space Center Test Operations Contractor (TOC) as identified in contract NNS04AB62C and with John C. Stennis Space Center NASA Contracts for NASA direct procurements as identified in each project description.

Lox Barge and Tug Boat Shipyard Repairs

Purpose: The purpose is to repair the NASA owned Tug boat and one Liquid oxygen (Lox) barge. The Tug boat and Lox barge are used to move Lox propellant from the Cryogenic Storage Facility to the test stands for rocket engine testing. The Tug boat and Liquid oxygen (Lox) barge are to be dry docked at the shipyard(s) for repairs.

Scope: The contractor shall provide engineering procurement packages, system preparations, shipyard transfers, repair verifications, and full operability tests to complete the Tug boat and Liquid oxygen (Lox) barge repairs. The shipyard repairs shall be completed under separate NASA direct contracts. These efforts shall include:

- Completing an engineering procurement package for the Lox barge repairs to remove the existing corroded deluge system and replace the material with stainless material and to return the barge equipment, structural, mechanical, and electrical systems to the engineering baseline as referenced below in listed drawings.

- Completing an engineering procurement package for the tug to be repaired. This shall include repainting, replacement of reduction gears, reworking propellers, repair of rudder tubes, and replacement on propeller shafts.

- Preparing and transferring Tug and Lox barge to the shipyard(s) for repairs.

- Receiving Tug boat and Lox barge after shipyard repairs are completed, verifying repairs, and testing full operability before returning to service.

Standard: The project is a design to build effort. After completing the engineering procurement packages, the contractor shall develop an implementation plan(s) detailing the process of completing the repairs, repair verifications, and operational acceptance criteria that fully support the schedule milestones. The implementation plan shall be

approved by the NASA task manager and determined as complete following the repair verifications and successful operational tests of the Tug boat & Lox barge.

Lox Barge Engineering Baseline Drawings:
31B00-A001sht1r0 through 31B00-A006sht1r0
31B00-A007sht1r2
31B00-A008sht1r1
31B00-A009sht1r0
31B00-M001sht1r0

Note: No Engineering baseline drawings exist for the Tug.

The contractor has prime responsibility in completing Tug boat and Lox barge repairs. The contractor shall coordinate technical systems removal/replacement and refurbishment with the TOC contractor for the Lox barge. The contractor shall also support NASA contracts in the placement of the contracts with shipyard(s) for Tug boat and Lox barge repairs.

Schedule Performance: The contractor shall provide engineering procurement packages, system preparations, shipyard transfers, repair verifications, and full operability tests in accordance with the following milestones:

Remove from Service of Lox Barge: December 2009
Engineering Procurement Package: January 2010
Implementation Plan: February 2010
Shipyard Repair of Lox barge complete: July 2010
Return of Lox Barge to Service: January 2011

Remove from Service of Tug: April 2010
Engineering Procurement Package: May 2010
Implementation Plan: June 2010
Shipyard Repair of Tug complete: January 2011
Return of Tug to Service: January 2011

Vacuum Monitoring Project

Purpose: The purpose of this project is to add a remote sensing and control capability to monitor the vacuum on five vacuum jacked vessels. Currently, the vacuum is monitored and recorded manually on a daily basis. This project provides the remote monitoring from the High Pressure Gas Facility (HPGF) control room and tighter control over the potential loss of cryogenic fluid due to boil off in the vessels.

Scope: The contractor shall purchase material and provide shop support of the installation of a Vacuum Monitoring system at the Stennis Space Center HPGF. The scope of this work shall include the following:

- Material procurements per design.

- Shop support for relocation of the existing vacuum pump and piping modifications.
- Shop support for the necessary electrical, mechanical, and demolition work to complete the installation.

Standard: The contractor shall coordinate material procurements and shop support with the TOC contractor in meeting all schedule milestones. Acceptance of material will be verified by Stennis Space Center NASA Quality.

Schedule Performance: The contractor shall purchase material and provide shop support for the Vacuum Monitoring System in accordance with the following milestones:

Installation complete: August 2010
System Acceptance complete: September 2010

Communication System

Purpose: The purpose of this project is to upgrade the old communication system with a new and reliable intercom system for the A-1, A-2, B-1, and B-2 test stands and support facilities per existing design.

Scope: The contractor shall purchase material and provide shop support of the installation of the new communication system. The scope of this work shall include the following:

- Material procurements per the design.
- Shop support for installation of communication boxes.

Standard: The contractor shall coordinate material procurements and shop support with the TOC contractor in meeting all schedule milestones. Acceptance of material will be verified by Stennis Space Center NASA Quality.

Schedule Performance: The contractor shall purchase material and provide shop support in accordance with the following milestones:

A1 test stand installation complete: January 2010
HPIW (High Pressure Industrial Water) installation complete: March 2010
A2 test stand installation complete: August 2010
HPGF installation complete: February 2010
Cryogenic Facility installation complete: March 2010
B1/B2 test stand installation complete: August 2010

Fire Protection and Gas Detection (3 Tasks)

Overall Purpose: The purpose of this project is to upgrade the fire protection and gas detection capabilities in the test complex with new and reliable systems. It is comprised of three tasks; Fire detection wire replacement, Hydrogen gas detection (H2 Gas Head Installation), and a new fire & gas annunciation system.
Scope: The contractor shall purchase material and provide shop support for the installation of the Fire Protection and Gas Detection systems. The scope of this work shall include the following:

- Material procurements per design.
- Shop support for installation and mounting of the gas head brackets for the Hydrogen Gas detection system (H2 Gas Head Installation).
- Shop welding services for installation of Fire and Gas Annunciation system.

Standard: The contractor shall coordinate material procurements and shop support with the TOC contractor in meeting all schedule milestones. Acceptance of material will be verified by Stennis Space Center NASA Quality.

Schedule Performance: The contractor shall provide material procurements and shop support for the installation of the Fire Protection and Gas Detection systems in accordance with the following milestones:

A1 test stand installation complete: January 2010
HPIW installation complete: March 2010
A2 test stand installation complete: March 2010
HPG installation complete: February 2010
Cryogenic Facility installation complete: June 2010
B1/B2 test stand installation complete: May 2010
Barge Installation complete: August 2010

A-2 Liquid Oxygen (Lox) and Liquid Hydrogen (LH) Transfer Line Repair/Replacement

Purpose: This project provides support during the repair/replace and re-activation of the Lox and LH transfer systems for the A2 test stand. The repair/replace of the Lox and LH transfer piping systems is under a separate NASA Direct contract. The Lox and LH piping systems are used for transferring these cryogenic fluids from the barge off loading docks to the test stand run tanks.

Scope: The contractor shall provide support to NASA contracts and to TOC contractor. The scope of this work shall include the following:

- Provide Statement of Work for NASA Direct contract.

- Review of Lox and LH transfer systems repair/replacement submittals in support of NASA contracts.
- Field verification of correct installation of Lox and LH transfer piping system repair/replacement by NASA Direct contractor.
- Document control of Field changes.
- Support to TOC contractor for material procurements and shop support in preparing the Lox and LH transfer systems for repair/replacement and for supporting re-activation activities.

Standard: The project is a repair/replace and re-activation of the Lox and LH transfer systems for the A2 test stand installation, per NASA approved design. The contract shall support NASA contracts in meeting all schedule milestones. The contractor shall also provide material procurements and shop support to the TOC contractor in meeting all schedule milestones. Acceptance of material will be verified by Stennis Space Center NASA Quality.

Engineering Packages for LOX and LH Transfer Piping Repair/Replacement:

- EMI SZ430YFJ00-01 Replace LOX and LH Transfer Piping at A2 (Installs all GFE VJ LH piping and replaces LOX cross-country piping from the barge dock to the South wall of A2)
- EMI SZ430YFJ00-03 Replace Existing LOX Transfer Pipe on A2 (Replaces LOX piping from bottom of South wall to LOX run tank)

Schedule Performance: The contractor shall provide engineering support to NASA contracts and shop/material procurement support to the TOC in accordance with the following milestones:

Prepare and complete Statement of Work for NASA direct contract: December 2009
Removal of Components complete: February 2010
Submittal review and approval of NASA Direct contract complete: May 2010
Construction Support complete: July 2010
Reinstallation of Components complete: January 2011

Liquid Oxygen (LOX) Barge Pumps Replacement

Purpose: The purpose of this project is to replace the old transfer pumps on five of the Liquid oxygen (Lox) barges with new NASA Direct procured pumps, to increase reliability and reduce maintenance costs. The Lox barge pumps are used to transport Lox from the barge to the test stand run tanks. Each barge has two transfer pumps rated at 1,250 gallons a minute, each at 250-350 pounds per square inch, capacity at 3,600 revolutions per minute for a total pumping capacity of 2,500 gallons per minute.

Scope: The contractor shall provide material procurements and shop support to the TOC contractor in replacement of the Lox pumps on five Lox barges. The scope of this work shall include the following:

- Support the TOC in their development of the Statement of Work for the NASA Direct contract for the Lox barge pumps.
- Review of Lox barge pump submittals in support of NASA contracts.
- The contractor shall repair, modify, or replace any existing piping or components required to interface with the new pumps.
- The contractor shall replace existing land-based electrical components with variable frequency drives.
- The contractor shall remove the existing soft starts and install the new pump motor drives.
- The contractor shall modify, repair or replace 10 pairs of suction and discharge piping.
- Provide support to the TOC contractor for material procurements and shop support in replacement of the Lox pumps on five Lox barges.

Standard: This project is a new system installation, per modification of NASA approved baseline drawings. The contractor shall support NASA contracts in meeting all schedule milestones. The contractor shall also provide material procurements and shop support to the TOC contractor in meeting all schedule milestones. Acceptance of material will be verified by Stennis Space Center NASA Quality.

Lox Barge Engineering Baseline Drawings (Location of Existing Lox Pumps):

31B00-A001sht1r0 through 31B00-A006sht1r0
31B00-A007sht1r2
31B00-A008sht1r1
31B00-A009sht1r0
31B00-M001sht1r0

Schedule Performance: The contractor shall provide small material procurements and shop support to the TOC contractor in replacement of the Lox pumps on five Lox barges in accordance with the following milestones:

Installation of pumps on 1st Lox Barge complete: April 2010
Acceptance testing of 1st Lox Barge complete: May 2010
Installation of pumps on 2nd through 4th Barges complete: July 2010
Installation of pumps on 5th Lox Barge complete: January 2011
Acceptance testing of barges 2 through 5 complete: January 2011

AJ26 Engine: Facility Design/Build

Purpose: The Stennis Space Center is responsible to provide facilities in support of the AJ26 Engine Test Program. In pursuit of this effort, the E1 Test Facility was identified for this purpose with applicable modifications required to install the engine, provide for all test equipment integration requirements, and accommodate activity associated with installation of the engine and test operations activities.

Scope: In accordance with the Systems Engineering Management Plan, SEMP-AJ26-1001, design efforts are to be accomplished to provide test facility modifications relative to this program and others of similar functional requirements. Facility requirements will be defined by a NASA provided System Requirements Document, SRD-AJ26-1001. Facility modifications shall require:

- Engineering design and analysis for piping routing, fabrication, and supports, all structural steel and concrete systems.
- Piping systems for delivery of propellants and gases to engine interface.
- Fabrication of structural systems/equipment required by the facility and engine.
- Structural systems: Engine thrust structure, engine access and inspection platforms.

Standard: The E1 Facility design and build effort will be in accordance with Systems Engineering Management Plan, SEMP-AJ26-1001 and System Requirements Document, SRD-AJ26-1001, The contractor shall provide Engineering services, material procurement, and shop support to the TOC contractor in meeting all schedule milestones. Acceptance of material will be verified by Stennis Space Center NASA Quality.

Schedule Performance: The contractor shall provide design and fabrication of required systems in accordance with the following milestones:

Design complete: December 2009
Fabrication complete: March 15, 2010

HPGF Air Compressor Refurbishment (Mod. #214 Attachment 1) Scope Addition

Scope: FOSC shall provide shall provide Non-Destructive Examination (NDE) in support of the HPGF Air Compressor C-7 Refurbishment. NDE support shall include two NDE inspectors performing ultrasonic inspection of the heat exchanger unit, part of the compressor unit being refurbished.

Schedule of Performance: The contractor shall provide the support in accordance with the following milestones:

Inspection of heat exchanger: August 2010

A-2 Liquid Oxygen (Lox) and Liquid Hydrogen (LH) Transfer Line Repair/Replacement (Mod#178) Scope Addition incorporated into mod #226

Purpose: This project provides support during the repair/replace and re-activation of the Lox and LH transfer systems for the A2 test stand. The repair/replace of the Lox and LH transfer piping systems is under a separate NASA Direct contract. The Lox and LH piping systems are used for transferring these cryogenic fluids from the barge off loading docks to the test stand run tanks.

Scope: The contractor shall provide support to NASA contracts and to TOC contractor. The scope of this work shall include the following:

- Perform leak checks on weld closures and expansion joint closures on the vacuum jacketed piping.
- Provide Craft support for the replacement of valves at the LOX and LH dock; replacement of filters at the LOX Dock and on the Test Stand; replacement of a motor valve actuator (MV290-LO) on the test stand; and the replacement of a butterfly valve on the A-2 LOX run tank.
- Provide craft and project management support to relocate approximately 15 vacuum ports, fabricate valve actuation panels, and welding support as required in re-assembly and re-activation activities.
- Provide repair, cleaning, and testing of components as identified by the TOC technical point of contact.
- Provide Safety engineering support.
- Provide material purchasing in support of valve and component reworks, and in support of TOC contractor cryoshock and associated test and activation requirements.
- Perform stress analysis and load calculations for proper placement of pipe supports
- Provide labor and materials to repair 8" LH butterfly valve

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 3

2. AMENDMENT/MODIFICATION NO.
000256

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule

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

CHECK ONE

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).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

X D. OTHER *(Specify type of modification and authority)*
Unilateral-Section J-3 Cost and Performance Incentive Fee Plan

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

1. The purpose of this modification is to definitize the incentive fee earned for contract year-2 (8-28-08 through 8-27-09). Pursuant to the provisions of Attachment J-3 (Cost and Performance Incentive Fee Plan) the total Incentive Fee earned for contract year-2 is [redacted] (b)(4)

2. Contract year-2 was provisionally billed in the amount of [redacted] (b)(4) The total Incentive Fee earned less fee provisionally billed is . The contractor shall submit a separate voucher in the amount of [redacted] (b)(4) for unbilled contract year-2 Incentive Fee in accordance with Section B.8 (Payment of Fees) and Section G.2 (Submission of Voucher for Payment).

Continued ...

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)*
Gerald Norris

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
Gerald Norris
(Signature of Contracting Officer)

16C. DATE SIGNED
12-21-10

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	3. Page 31 of 1478 is hereby replaced with page 31 of 1478, Modification #256 page 3 of 3 which provides an update to the Table on page B-31, paragraph (f) of this contract to reflect the Incentive Fee earned. 4. All other terms and conditions remain the same.				

(d) Up to eighty five percent (85%) of the potential total incentive fee may be provisionally paid to the Contractor in periodic installments based upon the quality of performance and/or percentage of work completed as determined by the Contracting Officer. In the event that the earned incentive fee, as determined by the Contracting Officer and the Contracting Officer's Technical Representative, is less than the provisional payments for the period, the Contractor will reimburse the difference by submitting a separate voucher entitled "Incentive Fee Adjustment" for the amount of such overpayment. In the event that the incentive fee earned is more than the provisional payments, the Contractor may bill in one lump sum the difference between the incentive fee earned and the provisional fee payments made during each contract year by submitting a separate fee voucher.

(e) In the event this contract is terminated prior to a regularly scheduled annual measurement period, the incentive to be paid the Contractor may be an appropriate portion of the potential incentive fee, if any, as may be determined by the Contracting Officer and the Contracting Officer's Technical Representative. Any overpayment in provisional incentive fee will be credited on the next cost voucher submitted.

(f) The amounts of cost and performance incentive fees which have been awarded pursuant to the provisions of this clause and the period to which said fee applies are set forth below:

Incentive Fee Period	Performance Incentive Fee Earned	Cost Incentive Fee Earned	Total Incentive Fee Earned
08/28/07 – 08/27/08	(b)(4)		
08/28/08 – 08/27/09			
08/28/09 – 08/27/10	$ TBD	$ TBD	$ TBD
08/28/10 – 08/27/11	$ TBD	$ TBD	$ TBD
08/28/11 – 08/27/12	$ TBD	$ TBD	$ TBD
08/28/12 – 08/27/13	$ TBD	$ TBD	$ TBD
08/28/13 – 08/27/14	$ TBD	$ TBD	$ TBD
08/28/14 – 08/27/15	$ TBD	$ TBD	$ TBD
08/28/15 – 08/27/16	$ TBD	$ TBD	$ TBD
08/28/16 – 08/27/17	$ TBD	$ TBD	$ TBD

(End of Clause)

B.9 SPECIAL COST PROVISIONS

Without otherwise affecting the applicability of the cost principles set forth in FAR Part 31 and pursuant to the terms of the contract clause entitled "Allowable Cost and Payment," the contractor shall be reimbursed for such actual and allowable expenditures incurred in the performance of work required by this contract as may be approved by the Contracting Officer subject to the following limitations and provisions:

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 000257

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

1. The purpose of this administrative modification is to correct sentence #1 in the description block #14 of Mod #245. Sentence #1 in the description of block #14 of Mod #245 inadvertently stated "Contract Year 4" instead of "Contract Year 5." All references to "Contract Year 4" in this sentence are hereby replaced by "Contract Year 5."

2. This modification also corrects a $2.02 rounding error on CLIN 3 in CMM only. This correction does not effect contract value as stated in Section B of the contract.

3. All other terms and conditions remain the same.

Delivery Location Code: SSC
Continued ...

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)*
Gerald Norris

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 12-29-10

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED NNS07AB21C/000257	PAGE 2 OF 2

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 9

2. AMENDMENT/MODIFICATION NO.
000258

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
4200369827

5. PROJECT NO. (If applicable)

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY (If other than Item 6) CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

X 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED (SEE ITEM 13)
07/14/2007

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)
See Schedule Net Increase: $1,811,973.00

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.232-22 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not. ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR # 4200369827)

2. See continuation pages 8-9.

3. All other terms and conditions remain the same.

Obligated Amount for this Modification: $1,811,973.00

Continued ...

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)
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
12-29-10

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.09.01.09.22/00 0/2540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $800.00 Percent: .00034 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.09.01.09.25/00 0/2540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00212 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $414,000.00 Percent: .1756 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $98,000.00 Percent: .04157 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,100.00 Percent: .0064 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,500.00 Percent: .00106 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $145,500.00 Percent: .06171 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $27,100.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .01149 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,300.00 Percent: .00098 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $31,000.00 Percent: .01315 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/4/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $123,000.00 Percent: .05217 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.02.05.09/000/2 540/64/CASX12011D/361N/11/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $200.00 Percent: .00008 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/7/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $270,000.00 Percent: .11452 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/12/15 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $600,000.00 Percent: .25449 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2 540/64/CECX62010D/573Z/13/16 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,580.00 Percent: .00152 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2 540/64/CECX62010D/573Z/14/17 Cost Center 64RA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $37,213.00 Percent: .01578 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62010D/573Z/15/18 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,423.00 Percent: .0006 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.07/000/2 540/64/CECX62010D/573Z/16/19 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,257.00 Percent: .00393 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/17/20 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,000.00 Percent: .01103 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows: (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through April 13, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows: Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 50,463,984.05	$ 1,811,973.00	$ 48,652,011.05

4. Accounting and Appropriation Data:

PR number 4200369827: (See Funding Data, Pages 1-7) $1,811,973.00

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 000259

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: 52.243-2 Changes-Cost Reimbursement
	D. OTHER *(Specify type of modification and authority)*

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

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

The purpose of this modification is to revise Annex 5 (Facility and Maintenance Operations) Performance Work Statement (PWS).

1. Annex 5, pages 328-865 are hereby modified to reflect the changes to the PWS. Pages 328-865 of 1478 are hereby removed and the attached revised pages 328-842 of 1478 are substituted in place thereof. Pages 843-865 of 1478 have been removed.

2. This modification does not change the contract value. The overall negotiated amount for this change is a $30,922.00 reduction. In accordance with contract clause B.10(c) Contract Adjustments, the decreased cost associated with the Annex 5 changes is less than $100,000.00 per year. Therefore, the baseline contract value for each contract year will

Continued ...

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)*
LARRY BRAMLITT, VP/GM

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
Gerald Norris

15B. CONTRACTOR/OFFEROR
Larry Bramlitt
(Signature of person authorized to sign)

15C. DATE SIGNED 1/19/2011

16B. UNITED STATES OF AMERICA
Gerald Norris
(Signature of Contracting Officer)

16C. DATE SIGNED 1-19-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	not be changed. 3. Contractor's Statement of Release: In consideration of the modification agreed to herein of the changes noted in item 1 above, the Contractor hereby releases the government from any further liability under this contract for any equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein. 4. All other terms and conditions remain the same.				

ANNEX 5
FACILITY AND MAINTENANCE OPERATIONS

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5.0 FACILITY AND MAINTENANCE OPERATIONS

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5.5 AVAILABILITY

5.6 SPECIAL OPERATIONS & MAINTENANCE TEST COMPLEX

5.7 SYSTEM ENGINEERING/ FACILITY MAINTENANCE AND OPERATIONS/ FACILITY INSPECTIONS PROGRAMMED & PLANNED MAINTENANCE

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ANNEX 5.1
FACILITY MAINTENANCE AND OPERATIONS
GENERAL INFORMATION

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ANNEX 5.1
FACILITY MAINTENANCE AND OPERATIONS
GENERAL INFORMATION

5.1 GENERAL INFORMATION

5.1.1 ANNEX DESCRIPTION

This Annex provides definitions and general information which relate to performance of facility maintenance and operations at Stennis Space Center described in Annex 5 that is subdivided as follows:

5.1 General Information

5.2 Preventive Maintenance

5.3 Corrective Maintenance

5.4 Operations

5.5 Availability

5.6 Special Operations and Maintenance Test Complex

5.7 Facility Inspections Programmed and Planned Maintenance

5.8 Grounds Maintenance and Integrated Pest Management Services

The facilities are all located within the boundaries of the SSC fee area and include facilities occupied by NASA, NASA Contractors, and Resident Agencies and their Contractors.

Adopt Leadership in Energy and Environmental Design for Existing Buildings (LEED/EB) program meeting all Executive Order and NASA directives for this program.

5.1.2 CONTRACTOR RESPONSIBILITY

The Contractor shall be responsible for performance of Preventive Maintenance (PM), Corrective Maintenance (CM), Operations, System Availability, and all other work specified. The Contractor shall use the following documents, lists, tables, databases, and geographical boundaries to further define the scope of the Contractor's responsibility:

1. Table 5.1-1 This table identifies and defines major systems, subsystems, and units such as 13.8 kV electrical system, potable water system, sanitary sewage system, energy management and control system, natural gas system, marine system, mechanical systems, and other systems.

2. The MAXIMO equipment database (available in Technical Reference Library (TRL)) identifies numbered equipment and gives criticality for each. For proposal purposes, the baseline is the data in the RFP Workload Data. Where there is a difference in the RFP Workload Data and the MAXIMO database in the TRL, the RFP Workload Data will govern.

3. The Specified Structures and Facilities List (available in TRL) identifies the structures and facilities included in Structures Facilities Utilities, Systems and Subsystems (SFUSS).

4. The Installation-Accountable Government Property IAGP List (J-10, List 1 and List 2) identifies equipment for which the Contractor has Maintenance and Operations (M&O) responsibility.

5. The System Operational and Maintenance Responsibility Database (SOMRD) identifies SFUSS and IAGP for which the Contractor has M&O responsibility. Additionally, this database identifies the System Management Organization responsible for M&O funding. The FOS Contractor is responsible for the development and maintenance of this database in accordance with NASA Work Instruction, RA-98-08 and SSC STD 99-025. Reports shall be provided as detailed in DR 5-GA25.

6. The Master Facility Plan (available in TRL) defines the geographical boundary of the SSC fee area. The NASA portion of this area contains all SFUSS and IAGP for which the Contractor is responsible.

5.1.3 EQUIPMENT REPLACEMENT

Equipment covered under this Annex may be replaced when it reaches "end of service life" or becomes uneconomical to repair in accordance with the PM plan. Replacement of this equipment in-kind (including upgrade to accommodate equivalent modern technology) shall not relieve the Contractor of the responsibility of continued performance of specified work within Annex 5. The Contractor shall begin maintenance and operations of such replacement equipment as soon as it is placed in service. Where applicable, equipment numbers shall be assigned and installed.

5.1.4 RESERVE

5.1.5 EQUIPMENT NUMBERING/TAGGING

Corrections to the Computerized Maintenance Management System (CMMS) Equipment Database shall be accomplished in accordance with 5.2.2.3.

5.1.6 DEFINITIONS

The following are definitions for Annex 5. See Annex 1 for additional definitions that may relate to this Annex.

Augmentation - The method to be used to augment the core work force to handle additional work for each sub-Annex.

Biennially - Also called 2-year Frequency. Activities accomplished 1 time during each 24 month period of the

contract, at intervals of 23 to 25 months. 50% of the Biennial Tasks shall be completed each year under any given task sheet.

Backlog of Maintenance and Repair (BMAR) - The unfunded facilities maintenance work required to bring facilities and collateral equipment to a condition that meets acceptable facilities maintenance standards.

Base - See Institution

Buffer Zone - An area of 125,071 acres surrounding the fee area. All activities within all portions of this zone are subject to specific easement provisions. These provisions specify that habitable buildings cannot be erected; however, farming livestock raising, pulpwood and timber operations, and mining activities are allowed.

Collateral Equipment - See equipment definition from Facility Maintenance Handbook.

Common Use Areas - Facilities and/or portions of facilities, to which access is afforded and which are constructed, maintained and operated specifically for, but not incidental to, the benefit of all SSC residents. Common use areas include entry and hallways, stairs and stairwells, restrooms, and vending areas within dedicated facilities. An access restriction, for security or other reasons, does not alter this definition.

Criticality Level

Level I - Safety and/or Environmental Impact
Level II - Mission Operational Impact
Level III - Significant Operational Impact (replacement cost)
Level IV - Personnel Costs (loss of facility use)
Level V - Non-Critical

Debris - For purposes of this Annex, debris is defined as any trash, wastepaper, gum, limbs, leaves or other matter lying scattered about which is foreign to its surroundings; e.g., leaves/rocks in equipment areas, or other items not placed or intended for the given location.

Energy Management and Control System (EMCS) - A computerized system for monitoring and controlling systems and equipment through an integrated network of microprocessor based controls.

Facilities - A facility is an enclosed structure to protect personnel, material or equipment from the elements and provide associated work or storage space. For purposes of this contract, a facility includes the utility systems inside the building/structure and extends five feet from the facility or as otherwise defined.

1. **Architectural** - Includes (interior/exterior) doors; windows; flooring (coatings and coverings); stairs and stairwells; interior walls, ceilings, and partitions.

2. **Structural** - Includes foundation; structural system; building shell; roof; external attachments (e.g. walkway covers, overhangs, loading docks, etc); and facilities water collection and drainage system.

3. **Electrical** - Includes electrical wiring and lighting, hardware, and panels; power for equipment up to the point of disconnect, grounding or lightning arresting systems; alarm systems and communication equipment (excluding telephones).

4 **Mechanical** - Includes all equipment, components and controls associated with the following systems as well as components located outside the facility: HVAC; plumbing; compressed air; steam; fire suppression; gas; boilers, furnaces; and generators.

5. **Building Specialty** - Includes installed equipment within the facility such as food service and processing equipment; appliances; elevators; automatic doors; roll-up doors; blast doors; vehicle gates; waste disposal equipment; shop equipment and hoists; propellant truck scales and Visitor Center exhibits.

Fee Area - An area of approximately 25 square miles (13,800 acres) of government-owned land. The property was acquired in "Fee Simple" and includes the underlying mineral rights. It is within this area that NASA and the other resident agencies have constructed the test facilities, laboratories and office and support buildings necessary for conducting their operations.

General Maintenance Work Priority System - The following is a description of the General Maintenance Work Priority System:

Priority/Description	Narrative
1. Emergency	Safety of life or property threatened; immediate mission impact; loss of utilities: Begin immediately; divert resources as necessary; overtime may be authorized.
2. Urgent	Maintenance or repair work should be completed to ensure continuous operation of the facility and to restore healthful environment. Not a life-threatening emergency.
3. Priority	Work that is to support the mission on a priority basis or to meet project deadlines. Complete before starting new Priority 4 (routine) work.
4. Routine	Facilities maintenance work that can be scheduled routinely within the capability of the facilities maintenance organization. Complete in order of receipt,

subject to availability of resources, and consolidate by facility or zone or as directed to obtain efficiency of operation.

Institution or base - For purposes of this contract Institution and Base are used interchangeably. Institution refers to those facilities and equipment that are in the fee area, west of a line parallel to and 1,000 feet west of Propelland Blvd and excludes all Test Complex structures, facilities and utilities, and the Army Complex.

Integrated Pest Management - The utilization of control measures coordinated for overall environmental protection so as to reduce pest numbers to a controlled level without adverse effects to the surroundings.

IAGP - Installation-Accountable Government Property in the possession of, or directly acquired by the Government and subsequently made available to the Contractor for use in the performance of work related to this contract.

Maintenance - Includes day-to-day periodic, scheduled or unscheduled work required to preserve or restore a piece of equipment, a system, or utility to such a condition that it may be effectively utilized for its intended purpose, output, redundancy, and availability.

Maintenance Level - A designation used to specify the frequency of services and type of grounds maintenance required.

Monitor and Inspect - These terms are used in conjunction with "Operate" to delineate system activities other than actual operations which require periodic staffing. The Government requires that these activities would be accomplished by trained personnel with ability to recognize abnormal conditions and evidence of potential problems.

Mowing - Mowing shall include cutting and trimming, within the designated area, all grasses, weeds and other vegetation, which is 1 inch, or less in diameter (at ground level).

Operate - This term is used for systems that require periodic operational activities but not continuous staffing. Personnel may be available for other contract activities. Operations include at least the first hour of trouble-shooting/investigation of a malfunction or availability loss (See Table 5.5-2 for response time), and also includes operational support for planned outages required for Utility PM's.

Outage - The planned or unintentional interruption or termination of a utility service such as electricity, water, sanitary sewage, EMCS control, or natural gas.

Planned Maintenance Projects - A project which is approved and funded for a fiscal year as a result of the comprehensive

inspection process (See Table 5.7.3.2 - 5.7.8) or as designated by the CO.

Predictive Testing and Inspection (PT&I) - The use of testing techniques (primarily non-intrusive), visual inspection, and performance data to assess equipment condition. Continuing analysis of equipment condition is used to replace arbitrarily timed maintenance tasks with maintenance that is scheduled based on equipment condition.

Preventive Maintenance (PM) - PM is the planned, scheduled periodic inspection; adjustment, cleaning, lubrication, parts replacement; and calibration of components, equipment and systems. Also frequently called time-based, but in the broad sense, is extended to include PT&I.

Proactive Maintenance (PAM) - Maintenance which seeks to reduce maintenance costs through better design, construction/installation, specifications, maintenance procedures, workmanship, and scheduling. Proactive Maintenance employs techniques such as specification of new/rebuilt equipment, precision build/installation, failed part analysis, root-cause failure analysis, reliability engineering, rebuild certification/verification, age exploration, and recurrence control.

Programmed Maintenance - Programmed Maintenance consists of those maintenance task whose cycle exceeds 1 year, such as painting a building every 5th year.

Pruning - Pruning is selectively removing unwanted growth to make a plant or tree grow or respond in a desired manner. Pruning differs from 'shearing'. Pruning involves selection and judgment. 'Shearing' means clipping all growth on a plant at a uniform distance and shape.

Quinquenially - Also called 5-year frequency. Activities accomplished 1 time during each 60 month period of the contract, at intervals of 58 to 62 months. 20% of the Quinquennial Tasks shall be completed each year under any given task sheet.

Reliability Centered Maintenance (RCM) - An on-going structured process which determines the optimum mix of reactive, preventive, and proactive maintenance practices in order to provide the required reliability at the minimum cost.

Service Requests - Service Requests are not maintenance items, but are so often performed by facilities maintenance organizations they become a part of the baseline. Service Requests are requests for facilities related work which is new in nature, and as such are funded by the requesting organization. Service Requests are initiated by anybody on the Center and are submitted on a demand SWR which require approval by someone before any action is taken, planned and estimated, materials procured, and shop personnel discretely scheduled to accomplish the work. Examples of these requests include installation of an outlet to support a new copier machine;

providing a compressed air outlet to new test bench; renovating an office; and installing special cabinetry.

Six-Year Frequency - Activities accomplished 1 time during each 72 month period of the contract, at intervals of 70 to 74 months. 1/6 of the Six-Year tasks shall be completed each year under any given task sheet.

Special Purpose Mobile Equipment (SPME) - Commercially available, self-propelled vehicles or trailers that incorporate internal combustion engine power designed for special-purpose use, e.g., forklifts, bulldozers, cranes, fire trucks, tractors, pressurant and propellant trailers, and certain aircraft ground support equipment. It does not cover general-purpose vehicle, house trailers, or portable shop equipment, such as welders. In gray areas, the NASA Transportation Officer will make the final determination as to whether or not equipment will be treated as SPME.

Special Test Equipment (STE) - This designator is assigned by test programs to differentiate between facility systems that are configuration controlled and systems and equipment that is used uniquely for specific testing of test article. As a general rule, STE is not configured and can be changed frequently to accommodate unique requirements of the testing program. Interface points between facility and STE are normally shown in SSC Interface Control Drawings which are part of the SORD Drawing System or by memorandum of agreement. The SOMRD will also designate system responsibility and in some areas define STE system responsibility. All work accomplished by the FOS Contractor on STE will be by demand work order.

Staff and Operate - This term is used for systems that require continuous staffing during the operational period. Personnel may also operate other systems within the immediate vicinity.

Standard Operating Procedure (SOP) - This is a standing procedure that provides step-by-step instructions to operate systems. It is used for activities that commonly occur. The SOP requires CO review and shall be maintained in electronic format easily accessible to the Government. Documents shall become Government property and shall be stored at CEF (See DR 5-GA09).

Structures - A structure is a constructed unit established for a designated objective. Structures that are part of or inside a facility are included with the facility. For purposes of this contract, structures are generally described as:

(1) Allowing pedestrian and vehicular transportation. Includes roads and parking areas, paved or gravel surfaces, curbs, shoulders, guard rails, medians, wheel stops, walkways, bridges, sidewalks, and associated hardware.

(2) Preventing access and maintaining privacy. Includes fences, gates, barbed wire, grounding systems, planters,

bollards, chains, and associated hardware and attachments.

(3) Retaining or directing natural elements. Includes culverts, drainage systems, gravity storm water systems, retaining wall, bulkheads, landscaped borders, head walls, rip rapped areas, retention/detention ponds, spillways, canals, navigational lock, catch basins, and oil/water separators.

(4) Providing information. Includes signs, pavement markings, flag poles, displays, historical markers, monuments, and associated equipment.

(5) Other - Boat ramps, docks, landfill, and associated equipment.

System/Subsystem - Groups/subgroups of equipment forming a network serving a common purpose.

Test Complex - For the purpose of this contract, all facilities, equipment, and land east of a line parallel to and nominally 1,000 feet west of D road and extended to the ARMY complex.

Training/Certification - The Contractor shall define the methods to train and certify new and existing employees in areas that require certification and address how the Contractor will handle attrition.

Utilities - For purposes of Annex 5, consist of 13.8 kV Electrical System, Potable Water System, Sanitary Sewage System, EMCS System, and the Natural Gas System as defined and described in Table 5.1-1.

Utility Process Plan (UPP) - This is a 1 time per operation. Contractor generated document that provides step-by-step instructions that establish responsibility and control system configuration changes. It provides details such as lockout/tag-out, switch operation, valve operation, coordination, etc. Documents shall become Government property. Refer to DR 5-FA05.

Utility System - A utility system is a system for collecting or distributing services between a common point and specific locations both above and below ground. See Annex 5.1, Table 5.1-1 for descriptions of utility systems.

Work Location - The Contractor shall define the location where each type of work will be performed (or location based out of).

5.1.7 ACRONYMS

BHMA – Building Hardware Manufacture's Association
BOHS- Building Operating Hours Summary
CEF- Central Engineering Files
CM – Corrective Maintenance
CMMS – Computerized Maintenance Management System

ANNEX 5.1
FACILITY MAINTENANCE AND OPERATIONS
TABLE 5.1-1
SYSTEM DEFINITIONS

CO - Contracting Officer
COTR – Contract Officers Technical Representative
CSBR – Critical Systems Breakdown Report
EGFE – Essential Government Furnished Equipment
EMCS – Energy Management Control System
FCPF – Fluid Component Processing Facility
FID – Field Interface Device
GEE – Government Essential Equipment
GMAW – Gas Metal Arc Welding
GTAW – Gas Tungsten Arc Welding
GPD – Gallons per Day
GPH – Gallons per Hour
HVAC – Heating, Ventilation, and Air Conditioning
IVTEL – Inventory of Vertical Transportation Equipment List
IAGP – Installation-Accountable Government Property
LEED – Leadership in Energy and Environmental Design
LEED/EB – LEED Existing Building
MPCo – Mississippi Power Company
MBC – Modular Building Controller
MSDH – Mississippi State Department of Health
MTS- Maintenance Task Sheet
NDE – Non-Destructive Evaluation
NDT- Non-Destructive Testing
NFPA – National Fire Protection Association
OEM - Original Equipment Manufacturer
O&M – Operations & Maintenance
PAM – Proactive Maintenance
PLC – Programmable Logic Controller
PT&I – Predictable Testing and Inspection
RCM – Reliability Centered Maintenance
ROW – Right-of-Way
SCD – System Control Document
SCU- System Control Units
SFUSS – Structures, Facilities, Utilities, System/Subsystem
SMAW - Shielded Metal Arc Welding
SOMRD - System Operation & Maintenance Responsibility Database
SOP – Standard Operating Procedure
SPME – Special Purpose Mobile Equipment
SSC – Stennis Space Center
TRL – Technical Reference Library
UC – Unitary Controller
UPP – Utility Process Plan
VAV – Variable Air Volume

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FACILITY MAINTENANCE AND OPERATIONS
TABLE 5.1-1
SYSTEM DEFINITIONS

NUMBER	TYPE	SYSTEM	NONMENCLATURE
E1	**Electrical**	**Site Electrical 13.8 kV Main Substation**	
		A. Description	Two Mississippi Power Company (MPCo) 115 kV distribution lines serve a split bus through two 115 kV/13.8 kV power step/down transformers with automatic load tap changers. The tubular aluminum split bus has eight 2000 A vacuum circuit breakers. Each circuit breaker can be bypassed and isolated by air break switches and a bypass bus. The split busses can be tied by a motor operated switch. The controls and protective relaying are located in an adjacent building. All maintenance of the SSC main substation is the responsibility of MPCo.
		B. Output	The site electrical 13.8 kV main substation is an integral part of the SSC 13.8 kV distribution system. This MPCo owned and joint NASA/MPCo operated substation provides electricity to the site from the MPCo grid. The split bus is configured to provide a method of isolating sections with either manual switching or through coordinated protective relaying circuits. The output of this system is continuous since it is located on the utility grid between two generating plants and can be isolated from either in the event of a fault on the utility. The output of the two primary transformers is continuous and regulated.
		C. Components	Components including bus, circuit breakers, air break switches, transformers, transformer grounding resistors, automatic load tap changers, protective relaying circuits, control wiring, switches, control panels, meters, connecting and structural bus supports PTs, CT's, CT & PT supports, batteries, battery chargers, manual transfer switches, automatic transfer switches, grounding mat, lightning masts, fence and gates. All components, except the power transformers, are the property of MPCo.
E2	**Electrical**	**Site 13.8 kV Electrical Distribution System**	
		A. Description	Input to the site 13.8 kV electrical distribution system is provided from the main substation. The system is configured as a 13.8 kV delta system, with overhead static wires on all above ground feeders.
			Two overhead power lines (one from each bus) serve the SSME Test Area underground 13.8 kV network. The overhead power lines feeding the SSME Test area are mounted on concrete poles. The SSME Test Area underground 13.8 kV network is configured as a double radial with multiple tie points.
			Two overhead power lines (one from each bus) serve the Test Support Area. The Test Support Area is configured as a double radial, mostly overhead on double circuit wood poles.
			Two overhead power lines (one from each bus) serve the Administrative and Industrial Areas on a combination of wood poles, concrete poles, and concrete encased duct banks.
			The distribution system extends to the main disconnecting means at each facility, and includes the facility transformer(s) and metering.

NUMBER	TYPE	SYSTEM	NONMENCLATURE
E2	**Electrical**	**Continuation Site 13.8 kV Electrical Distribution System**	
		B. Output	Provide electrical power to facility main disconnecting means. The output of the system is continuous since each area of the site is served by two feeders or a looped feed and has provisions for isolating faulted components. System switching is accomplished through phased closed transition of loads between feeders.
		C. Components	Components include, but are not limited to, switchgear, circuit breakers, bus, meters, control wiring, batteries, battery chargers, transfer switches, control panels, capacitors/switches, cable, cable splices, duct banks, cable trays, manholes, sump pumps, poles, cross arms, insulators, fuses, distribution switches, service/control power/instrument transformers, grounding system relays, transducers, fences, reactors. fused disconnects, lightning arrestors, static wires, ground rods, power monitors, splice shields, strip heaters.
E3	**Electrical**	**Exterior Lighting System**	
		A. Description	The exterior lighting system provides lighting for roadways, parking areas, safety and security. **(See General Site Plan Exterior Lighting Drawings and Master Utility Plans in CEF.)**
		B. Output	Provide lighting to reduce risk of injury, theft, or property damage. Foot-candle levels shall be maintained in accordance with SSC 50-002.
		C. Components	This system is defined to include, but is not limited to: lamps, reflectors, ballasts, lens, light poles, conductors, conduit, photocells, timers, and associated hardware.
E4	**Electrical**	**13.8 kV Switching Facilities**	
		A. Description	Air, gas or oil 13.8 kV switch assemblies.
		B. Output	Provide switching capability between multiple 13.8 kV feeders to the facility transformer(s)
		C. Components	This system is defined to include, but is not limited to: Air, gas or oil 13.8 kV switches, fuse enclosures, fuses, fuse holders, heater strips, secondary breakers, thermostat controls, control circuits, monitoring circuits, and associated hardware.
E5	**Electrical**	**Medium Voltage Transformers**	
		A. Description	13.8 kV transformers
		B. Output	Provide step down from site electrical 13.8 kV distribution to the secondary distribution level facility voltages.
		C. Components	This system is defined to include, but is not limited to: 13.8 kV transformers (dry type, mineral oil filled, silicon oil filled), gauges, fans, fan motors, heater strips, meters, nitrogen tanks, secondary breakers, control circuits, thermostat controls, monitoring circuits, and associated hardware.

NUMBER	TYPE	SYSTEM	NONMENCLATURE
E6	**Electrical**	**Service Entrance Systems**	
		A. Description	The systems which provide a current path for service entrance between the facility transformer secondary bushings or sub feed from another source/facility and the facility main disconnecting means.
		B. Output	Operate at assigned ratings to carry energy reliably without exceeding the maximum hot-spot temperature rise of 55 degrees Centigrade for 60 cycle systems, providing for the given indoor and outdoor environmental conditions. Service entrances must maintain the ability to dissipate heat losses.
		C. Components	These systems are defined to include, but are not limited to: air or sandwich bus duct, busway, cable bus, multiplex conductor assemblies, conduit/wire systems, bulbar, straight lengths, elbows, tees, tap boxes, power take offs, plugs, housings, insulation, hangers, and other associated hardware.
E7	**Electrical**	**Main Disconnecting Means**	
		A. Description	The main disconnecting means are comprised of 480/277 Volt or 120/208 Volt, protection and switching, including tie-breakers at double ended substations.
		B. Output	Operate, control and protect low voltage distribution equipment, and provide service entrance, power, and lighting distribution. Faults must be isolated by the over current protective device closest to the fault.
		C. Components	These systems are defined to include, but are not limited to: assembled indoor or outdoor equipment, switching, interrupting, control, metering, protective, and regulating devices, together with their supporting structure(s), enclosure(s), conductors, electric interconnections and accessories; grounding, bus, bus supports, heaters, and associated hardware. Examples of these systems are switchboards; indoor, outdoor, drip-proof, protected aisle and common aisle variety of metal clad switchgear; motor control centers; load centers; meter panels or centers; and molded-case circuit breaker distribution panels (PP, MDP, DP classified panels) and their components for voltage transformation, metering, circuit switching, and system protection in the Secondary Electrical Distribution System.
E8	**Electrical**	**Secondary Distribution Equipment**	
		A. Description	The secondary distribution equipment systems are comprised of 480/277 Volt or 120/208 Volt distribution, protection and switching equipment within the various facilities at SSC.
		B. Output	Operate at assigned ratings without exceeding the maximum hot-spot temperature rise of 55 degrees Centigrade at 60 cycles, providing for the given indoor and outdoor environmental conditions. The ratio of load current to the ampere rating of the over current protective device determines it operating temperature shall be used for panel boards.
		C. Components	These systems are defined to include, but are not limited to: assembled indoor or outdoor equipment, switching, interrupting, control, metering, protective, and regulating devices, together with their supporting structure(s), enclosure(s), conductors, electric interconnections and accessories; grounding, bus, bus supports, heaters, protective devices, enclosures, bulbar and terminal connections, disconnects, fuses,

NUMBER	TYPE	SYSTEM	NONMENCLATURE
E8	**Electrical**	**Continuation Secondary Distribution Equipment**	
		C. Components	contactors, motor overload relays, pilot and miscellaneous control devices, interlocks, and associated hardware. Examples of these systems are switchboards; indoor, outdoor, drip-proof, protected aisle and common aisle variety of metal clad switchgear; motor control centers; load centers; meter panels or centers; and molded-case circuit breaker distribution panels (PP, MDP, DP classified panels) and their components for voltage transformation, metering, circuit switching, and system protection in the Secondary Electrical Distribution System other than service entrance equipment.
E9	**Electrical**	**Lighting System (Interior)**	
		A. Description	That system which comprises the building or facility interior general area lighting from the lighting panel board to the end-user.
		B. Output	Operate at recommended minimum building illumination levels in accordance with SSC 50-002.
		C. Components	These systems are defined to include, but are not limited to: fixtures, lamps, reflectors, ballasts, lens, diffusers, fuses, switches, mounting hangers and hardware, conductors, conduit, controls and associated hardware. This includes systems in general office, hi-bays, laboratories, cafeteria's, etc…Lamp types vary and include incandescent, compact fluorescent, fluorescent, and HID (mercury, metal-halide, high pressure sodium, and low pressure sodium).
E10	**Electrical**	**Emergency Lighting System**	
		A. Description	That system which comprises the life safety lighting including, but not limited to emergency lighting units exit lighting, stairwell and egress lighting.
		B. Output	Emergency lighting for evacuation purposes must energize automatically upon loss of power or normal lighting. Emergency lighting must be maintained for at least 1 ½ hours for battery-powered units. The maximum tolerated duration of power failure is up to 10 seconds, preferably not more than 3 seconds, in accordance with ANSI/IEEE Std 446-1987. Light levels must be maintained to provide enough illumination to allow easy and safe egress from the area involved. Comply with ANSI/NFPA 70 for the operation and maintenance requirements and ANSI/NFPA 101 for emergency lighting specific to life safety lighting.
		C. Components	This systems is defined to include, but is not limited to, lamps, reflectors, ballasts, lens, emergency power supplies, conduits, wiring, and associated hardware.
E11	**Electrical**	**Obstruction and Warning Lighting Systems**	
		A. Description	That system which comprises the aircraft warning lights on water towers and other facilities at SSC.
		B. Output	Operate at recommended building illumination levels in accordance with FAA circular AC70/7460-1K

NUMBER	TYPE	SYSTEM	NONMENCLATURE
E11	**Electrical**	**Continuation Obstruction and Warning Lighting Systems**	
		C. Components	This system is defined to include, but not limited to: lamps, reflectors, ballasts, lens, conduits, wiring, masts, and associated hardware.
E12	**Electrical**	**Lightning Protection System**	
		A. Description	That system which comprises the lightning protection systems for all buildings and structures including substation, technical equipment buildings, towers, antennas, and masts.
		B. Output	Provide current path to ground system for lightning strokes.
		C. Components	These systems are defined to include, but not limited to: air terminals, roof conductors, down conductors, all separately mounted shielding systems, overhead static wires, and associated hardware.
E13	**Electrical**	**Grounding System**	
		A. Description	That system which comprises the facility ground systems. Contractor shall maintain chronological records of all tests and observations. Any measurement not meeting the specified or recommended values shall be investigated, a major discrepancy report prepared and delivered to the COTR annually. Contractor shall include these updates in the facility historical files.
		B. Output	Provide means to limit voltages due to lightning, line surges, or unintentional contact with higher voltage lines, and to stabilize the voltage to ground during normal operation. Reference ANSI/IEEE 142-1982, and for ground-fault protection reference ANSI/IEEE std 242-1986. Earth resistance shall be maintained at 5 to 7 ohms.
		C. Components	The components which comprise this requirement include but are not limited to: ground rods, grounding conductors and/or counterpoise, bonds, connections, test wells, and associated hardware.
E14	**Electrical**	**Emergency Power Backup Systems**	
		A. Description	That system which serves as an emergency source for supplying power loads in the event of loss of a service interruption or loss of power.
		B. Output	Provide emergency backup power that, upon failure or outage of the normal source, automatically provides power within a specified time to critical devices and equipment whose failure to operate satisfactorily would jeopardize health and safety of personnel or cause equipment damage.
		C. Components	The components which comprise this requirement include but are not limited to: storage batteries, generator sets, UPS (energy storage batteries, rectifiers, inverters, and associated controls), transfer switching devices, relay synchronizing, protective and auxiliary devices, alarms and controls, conductors, wiring components, grounds and associated hardware.

ANNEX 5.1
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NUMBER	TYPE	SYSTEM	NONMENCLATURE
E15	**Electrical**	**Fire Detection and Security Systems**	
		A. Description	The alarm systems for fire detection and security in various facilities throughout the site.
		B. Output	Provide reliable operation of SSC fire detection and security systems. Provide adequate alarm capabilities in accordance with SSC 50-008, NFPA 70, NFPA 72, NFPA 101 and the ADA.
		C. Components	This system is defined to include, but is not limited to: fire and security alarm control panels, manual and automatic initiating devices, audible alarm devices, visual alarm devices, interface devices, signaling circuitry, radio frequency (RF) transceivers, cable, cable clamps, antennas, auxiliary relays and devices, annunciator panels, and associated equipment.
E16	**Electrical**	**Facility Fire Protection System**	
		A. Description	The facility water fire protection system provides for fire protection water at the facilities.
		B. Output	The system shall provide for the continuous supply of fire protection water to the facilities as designed.
		C. Components	The facility fire protection system includes, but is not limited to: piping, valves, sprinkler heads, booster pumps, wet pipe sprinkler systems, dry sprinkler systems, deluge systems, flow switches, tamper switches, pipe hangers/supports, fire hydrants and associated hardware.
C1	**Civil**	**SSC Utility Potable and Water Distribution System**	
		A. Description	The utility system that provides for the distribution of potable and fire water to a point five feet outside all facilities at SSC. It includes appurtenances that the water system supplies that are not considered facilities or fire protection devices. It does not include the system inside facilities such as rest rooms, sinks, showers, drinking fountains, etc.
		B. Output	The system shall provide base facilities with a continuous supply of potable/fire water at 55 to 65 psig referenced at wells No.1 and No. 2. It shall provide test facilities with a continuous supply of potable/fire water at 75 to 85 psig referenced at the base of elevated storage tank No. 3.
		C. Components	The distribution system is defined to include, but is not limited to, the following components: all piping, valves, fittings, valve boxes, valve and pipeline markers, and insulation. Also, associated appurtenances outside facilities such as eye washes, safety showers, hose reels, wash racks, truck fill lines, and gages.
C2	**Civil**	**SSC Utility Potable Water Pumping System**	
		A. Description	The utility system that provides for the pressurization of the SSC potable water system.
		B. Output	During normal operations the pump system shall maintain the base side pressure at 55 to 65 psig referenced at wells No. 1 and No. 2. It shall maintain the test site pressure at 75 to 85 psig referenced at the base of elevated storage tank No. 3. For emergency operations pressure can be provided by connection to the Mississippi Army Ammunition Plant water system, and/or well No. 3 could be activated from its standby status and support pressure at a somewhat reduced pressure.

NUMBER	TYPE	SYSTEM	NONMENCLATURE
C2	**Civil**	**Continuation SSC Utility Potable Water Pumping System**	
		C. Components	The utility potable water pumping system is defined to include, but is not limited to, the following components: centrifugal pumps, electric motors, water meters, gages, pressure tank, and associated appurtenances inside the pump houses.
C3	**Civil**	**SSC Utility Potable Water Generation System**	
		A. Description	The utility system that provides for the generation of potable water for SSC potable water system.
		B. Output	The generation system shall provide the designed quantity of water to meet designed peak needs for regular usage plus fire protection.
		C. Components	The utility potable water generation system is defined to include, but is not limited to, the following utility components: two active and one inactive artesian wells that supply water to the well head at approximately 18 psig from an approximate depth of 1000 feet.
C4	**Civil**	**SSC Utility Potable Water Storage System**	
		A. Description	The utility system that provides for the elevated storage of potable water.
		B. Output	The elevated tanks maintain head pressure within the designed pressures and provide approximately 850,000 gallons of storage.
		C. Components	The utility potable water storage system is defined to include, but is not limited to, the following components: two 300,000 gallon elevated tanks and one 250,000 gallon elevated tank. Components include associated structural framing, gages drain pipes, screens, vents, and cathodic protection. The piping inside the elevated storage tank is also included.
C5	**Civil**	**SSC Utility Potable Water Treatment System**	
		A. Description	The utility system that provides for the treatment of SSC potable water.
		B. Output	The chemical treatment system located in each pump house shall provide the quality of water that meets Mississippi Department of Environmental Quality standards for chemical dosages and quality control of bacteria.
		C. Components	The utility potable water treatment system is defined to include, but is not limited to, the following components: chlorinators, chlorine cylinders, scales, piping, fittings, valves, insulation, chlorine alarm detection system, and associated hardware to inject gaseous chlorine.

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NUMBER	TYPE	SYSTEM	NONMENCLATURE
C6	**Civil**	**Primary Sanitary Sewage Collection Systems**	
		A. Description	The Sanitary Sewage Collection Systems consist of a combination of gravity lines, lift stations and forced feed lines which transport waste water from a site facility to a waste water treatment lagoon. The Sanitary Sewage Collection Systems begin five feet outside of the served facility and end at the inlet connection to the weir which discharges into a treatment lagoon (Exception: If pumping stations are located within a facility, the system begins two feet upstream of the pumping station inlet check valve.).
		B. Output	The systems shall be maintained free of excessive leakage and shall provide continuous service as designed and required to accomplish transport of wastewater from facilities to treatment systems.
		C. Components	The Sanitary Sewage Collection System is defined to include, but is not limited to piping, valves, check valves, wet wells, dry wells, manholes, pumps, pump motors, sump pumps, vents, blowers, compressors, grinders/comminutors, controls, and other appurtenances required to provide a complete system for transferring sewage from site facilities to a treatment system.
C7	**Civil**	**Sanitary Sewage Treatment Lagoons**	
		A. Description	The Sanitary Sewage Treatment Lagoons consist of two separate lagoon systems which serve the function of retention and removal of objectionable characteristics of the sewerage through natural interaction between the decomposing organic matter, vegetation life (duck weed, water hyacinths, and other water vegetation) and natural lagoon oxidation. In each system, wastewater passes from the main lagoon into an adjoining shallow polishing marsh and is discharged through an Ultra Violet (UV) Reactor for final disinfection.
			Micro-processor based controls are used to control the treatment process flow; A Landis & Gyr Modular Building Controller (MBC), accepts input from lagoon and polishing marsh level sensors, influent and effluent flow rates, UV reactor intensity. Output signals from the MBC governs outflow of the lagoon through a crossover valve, and outflow of the polishing marsh is regulated by an actuator controlled slide gate. Influent and effluent flow rates are logged and stored by the Energy Management and Control System (EMCS), through the MBC.
			Each Sanitary Sewage System begins at, and includes, the main lagoon inlet weir, and ends immediately downstream of the final discharge weir.
		B. Output	The system shall be maintained in such a manner as to provide wastewater treatment and discharge water quality in compliance with state regulations and permit requirements, without interruption to SSC site operations. Independent laboratory sampling analysis, in accordance with permit requirements, will be provided by the Government through another contract mechanism.
		C. Components	Each Sanitary Sewage Treatment System consists of a main lagoon, a polishing marsh and a UV disinfection reactor. The systems include all berms, levies, piping, valves, wiers, controls, reactors, and appurtenances required to provide a complete functional treatment system.
C8	**Civil**	**Rock-Reed Sanitary Sewage Systems**	

NUMBER	TYPE	SYSTEM	NONMENCLATURE
		A. Description	The Rock-Reed Sanitary Sewage Treatment Systems consist of two separate Rock/Reed systems which serve the function of retention and removal of objectionable characteristics of the sewage through natural interaction between the decomposing organic matter, vegetation life and natural oxidation. In each system, waste water passes through a septic-settling tank and into the rock/reed filter, then is disinfected by a UV reactor and discharged into the environment.
			The system begins at the facility discharge point, which is defined as five feet from the facility, and ends immediately downstream of the discharge weir.
		B. Output	The system shall be maintained in such a manner as to provide wastewater treatment and discharge water quality in compliance with state regulations and permit requirements, without interruption to SSC site operations. Independent laboratory sampling analysis will be provided by the Government through another contract mechanism.
		C. Components	Each Sanitary Sewage Treatment System consists of a septic tank, rock-reed filtration system, UV reactor. The system includes all berm, levies, piping, valves, vegetation and other appurtenances required to provide a complete functional system.
C9	**Civil**	**Septic Tank/Field Drain Sanitary Sewage Systems**	
		A. Description	This utility consists of four separate Septic Tank and Field Drain Systems, which serve four separate facilities. The system begins five feet outside of the served facility and ends at the end-run of field drain.
		B. Output	The system shall be free of leaks and shall provide continuous availability of sewage flow and treatment from facilities, during normal working hours.
		C. Components	Each System consists of piping, a septic tank, and a field drain with aggregate.
C10	**Civil**	**Site Utility Natural Gas Distribution System**	
		A. Description	The Facility system that provides for the distribution of natural gas from the supplier's metering station to the point of utilization. The point of utilization is a) at the facility service valve, b) 5 feet from the facility, or c) at the outlet connection to the gas meter or regulator, whichever is closest to the facility.
		B. Output	The system shall provide for natural gas to the facilities at the designed rate and pressure based on the designated regulator settings.
		C. Components	The natural gas system is defined to include, but is not limited to, the piping and pipe wrapping, fittings, gages, valves and associated identification markers and labels, blow offs, regulators, valve stations, relief valves, cathodic protection system, and associated isolation unions and anodes and meters.

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NUMBER	TYPE	SYSTEM	NONMENCLATURE
I1	**Instrumentation**	**Energy Management and Control System**	
		A. Description	The Energy Management and Control System (EMCS) is a distributed network of stand-alone controls, which interface with a central station for monitoring and operator adjustment. The system is used to control and monitor a wide variety of equipment and processes.
			The Energy Management and Control System (EMCS) Central Station serves as the central control point for real-time monitoring, operation and management of facility systems and utilities throughout the entire SSC site. The system acts as an effective tool for energy management, management reporting, data archiving and analysis for equipment control operations and maintenance. As such, this system (both the machine and human elements) is of vital importance for SSC missions operations and shall be operated and maintained in a dependable configuration and manner. The Central Station operation includes the EMCS as well as the Fuel Monitoring System and the Main Substation Monitoring System; these systems are defined separately in this table.
		B. Output	Provide all services necessary to maintain and operate the entire EMCS, including central station, field cabinets, instrumentation, and wiring in a reliable, continuous and accurate, operational state as specified in this contract. Work includes continuous staffing and operating of the central station, performing database management and backup required to protect software, real-time management and support of the site facilities in regard to site mission specific requirements, and coordination and notification of site utility outages/activities, repair of EMCS equipment, wiring, instrumentation and controllers.
		C. Components	The EMCS operating environment is the Siemens Building Technology APOGEE Insight system software and central station hardware platform configuration. This system provides real time monitoring, command and control of every aspect associated with various buildings and facilities at SSC. Approximately 75 buildings / facilities are connected to this system. The EMCS APOGEE Insight building / facility automation system is currently comprised of approximately 30,000 field points at the floor level network. These points are connected to approximately 230 field stand-alone microprocessors at the building level network, communicating over 8 peer to peer networked data trunks routed to a main and back-up server at the management level network central station. The operating system man-to-machine interface is established at the management level network, and is currently comprised of 3 Insight color graphic operator workstations. Additionally, this management level network is configured to communicate with the SSC Ethernet and is available to all authorized computer workstations and supports operational visibility of the EMCS APOGEE technology as a site wide building automation information tool. Furthermore, the man-to-machine interface is available at the field sensor and field microprocessor level. This floor and building level network access allows field technicians to interface and use the system as a tool in the field using a computer laptop.

NUMBER	TYPE	SYSTEM	NONMENCLATURE
			The Central Station alarms into A PC, which acts as an electronic printer of alarms. The Central Station is defined to begin at the ISU line connection and include all interconnected wiring, connections, keyboards, monitors, printers, tape/disk drives, power protection devices, hardware, firmware, software and other appurtenances required to have a completely functional and maintainable Central Host.
			EMCS field components include instrumentation, signal cables and wiring, programmable controllers and components (MBCs, SCUs and RBCs), and network wiring up to the point of interface with the telecommunication links (EMCS includes the ISU).
I2	**Instrumentation**	**Fuel Management Monitoring System**	
		A. Description	The Fuel Monitoring System consists of a Veeder-Root fuel management system which monitors fuel storage tank conditions at six locations, and reports status and alarm conditions to a PC Host/Central Console. Alarms are recorded through the EMCS alarm logging PC. The central controller operates on Trak Engineering software, and includes management of the Fuel Sentry, which dispenses automotive fuel (Diesel and Gasoline) at SSC. Fuel Sentry access keys are also programmed and managed from the host.
		B. Output	Provide all services necessary to maintain and operate the entire Central Console System in a reliable, continuous and accurate operational state as specified in this contract. Work includes manning of the console, performing database management and backup required to protect software (For Host and Field Microprocessors), and management and support of the site fuel dispensing and reporting requirements.
		C. Components	The Central Host is defined to begin at the ADI line connection and include all interconnected wiring, connections, keyboards, monitors, tape/disk drives, power protection devices, hardware, firmware, software and other appurtenances required to provide complete functions described for monitoring and operating the fuel management/monitoring system. The system monitors 6 fuel storage tank systems and 2 fuel sentry systems that dispense and track automotive fuel.
I3	**Instrumentation**	**Main Substation Monitoring System**	
		A. Description	The Main Substation Monitoring System consists of a PC Host that operates on Starview, and provides visibility of the main substation breaker operations and status.
		B. Output	Operate and monitor the PC Host. Provide immediate notification of any concerns or problems.
		C. Components	The system host components consist of a PC. All components are the property and maintenance responsibility of Mississippi Power.

ANNEX 5.1
FACILITY MAINTENANCE AND OPERATIONS

NUMBER	TYPE	SYSTEM	NONMENCLATURE
M1	**Mechanical**	**Site HVAC**	
		A. Description	Site Heating Ventilation and Air Conditioning (HVAC) consist of a variety of equipment and systems used for the purpose of maintaining temperature, humidity and air quality conditions within design limits.
		B. Output	HVAC systems shall be capable of providing design conditions during occupied and operational hours. Output shall be sufficient to meet the following requirements: 1. Human Comfort HVAC Systems shall be capable of maintaining spaces at set point +/- 2F, within Comfort Envelope defined by ASHRAE Standard 55-74. 2. Computer Room, Switch-Gear Room, Programmatic and specialty HVAC Systems shall be capable of maintaining conditions as defined by designs. 3. Ventilating Systems shall be capable of ventilating at design rates to prevent buildup of contaminants and heat (within design limits). 4. Heating units shall be capable of heating spaces within +/- 2F of set point (within design limits). 5. Refrigeration equipment shall be capable of operating to design conditions. 6. Chilled Water Systems and Heating Water Systems shall be capable of maintaining system temperatures as defined by designs.
		C. Components	HVAC includes chillers, boilers, air handling equipment, piping systems, pumps, cooling towers, exhaust systems, refrigeration equipment, instrumentation and controls, and peripheral equipment required to control temperatures, humidity conditions and air quality.

ANNEX 5.1
FACILITY MAINTENANCE AND OPERATIONS

NUMBER	TYPE	SYSTEM	NONMENCLATURE
MO1	**Marine**	**Site Marine**	
		A. Description	Marine Systems are defined as a series of canals and associated structures, that are required to move propellants and devices from one place to another at SSC and to provide water access to the Site from Pearl River System. In addition, marine systems are defined as the NASA Tugboat and barges which are used extensively on site and off site to move material from one place to another and to perform maintenance on water structures.
		B. Output	Marine Systems shall be capable of providing on-time service for the: delivery of propellant barges as required by programmatic requirements; support to the Navy, Customs and other tenant agencies; and provide timely maintenance of systems.
		C. Components	Marine Systems include: The NASA Tugboat (Clermont II) Bascule Bridge, Navigation Lock, Canal system, Docks, Water Structures, Navigation aids, Work Barges, Piers, Safety Equipment, Operating supplies and equipment, Marine warehouse and office space, Canal pumping station, Spillway system, Canal banks and drainage into canal, river system to the entrance from the Pearl River system, All tug specific equipment, Navigation aids, Traffic barriers and Special lighting.
O1	**Other**	**Site Other**	
		A. Description	Other Systems include Elevators, Built In Cranes, Hoists, Backflow Preventers, Roofs and Propellant Truck Scales.
		B. Output	Other Systems shall be capable of operating as follows: 1. Elevators: Accomplish all operations necessary to meet availability requirements and operational hours as designated in Annex 5.5 and the Operating Hours Summary. 2. Built In Cranes and Hoists: The contractor is responsible for providing operations where the Inventory List shows the contractor as responsible operators and provide these operations in accordance with NASA_STD-8719.9 and SSC SWI-8834-0001. 3. Roofs: Meet requirements of Annex 5.7 4. Propellant Truck Scales: Accomplish all maintenance necessary to ensure the scales are available to support propellant deliveries.
		C. Components	Other Systems include: All Elevators, Built In Cranes, Hoists, Backflow Preventers and Roofs.

5.2 PREVENTIVE MAINTENANCE

5.2.1 General Information

5.2.1.1 Annex Description

This Annex identifies the routine Preventive Maintenance (PM) requirements for Structures, Facilities, Utilities, Systems/Subsystems and Installation-Accountable Government Property (SFUSS & IAGP). PM includes day-to-day planned, periodic, scheduled, inspection, adjustment, cleaning, lubrication, and specified parts replacement required to preserve or restore a piece of equipment or a system to such a condition that it may be effectively utilized for its intended purpose and availability, and to preserve equipment reliability through life cycle. This includes minor replacement or repair of worn or deteriorated components.

The Contractor shall complete all minor repair requirements and correct all minor discrepancies identified during the performance of a PM inspection as part of the PM. However, if the Contractor determines that the work required to complete, the identified repairs, or correct discrepancies is too great to be accomplished during PM, this work shall be accomplished as CM and in accordance with **Annex 5.3**.

The Contractor may use the equipment and facilities provided by the Government to provide SFUSS & IAGP required functions, outputs and availability through PM services. The Maintenance Task Sheets (MTS) and Maintenance Instructions (MIs) provide minimum performance standards intended to protect the life cycle of SFUSS & IAGP, and to protect the Government's financial risks associated with SFUSS & IAGP repair and/or replacement. The MTS may not provide the level of PM necessary for meeting availability requirements; thus the services to be provided will rely heavily on the Contractor's ability to establish and implement a Preventive Maintenance Program, which is innovative and resourceful. Proposed changes or significant deviations from the provided MTS must offer an equivalent or improved program/service or other considerations and must be submitted in writing to the Contracting Officer (CO) for approval.

Specified structures and facilities are available in Technical Reference Library (TRL) and IAGP is identified in Exhibit 4 of Annex 5 and Attachment J-10, List 1 and 2. Additionally, Table 5.1-1 identifies defined systems, subsystems, and units and the MAXIMO equipment database identifies numbered equipment. The defined systems in Table 5.1-1 and the numbered equipment in the MAXIMO equipment database are part of the specified SFUSS & IAGP (see 5.1.2).

The following terms are defined and described in Annex 5.1:

Structures

Facilities

Utilities

Systems/Subsystems

Installation-Accountable Government Property (IAGP)

5.2.1.2 Preventive Maintenance

This Annex includes the requirement for establishment and maintenance of a PM program which shall include all labor, materials, and reporting necessary to accomplish and validate specified PM. Additionally, the PM program shall assure that the SFUSS & IAGP perform their respective intended functions, outputs, and redundancies and are available during required operating periods. The Government has also established the minimum requirements of the quantity and frequency for each Time Based PM and PT&I on each system, subsystem, and unit.

The Government has defined specified SFUSS & IAGP and associated equipment for which the Contractor shall prepare and submit a scheduled maintenance plan for NASA SSC review as required **(see paragraph 5.2.2.1.1),** that shall result in availability of intended functions, outputs, and redundancies for the specified SFUSS & IAGP and their respective systems and subsystems or units. The Contractor shall, in the planning and executing of PM, utilize the RCM process to determine the optimum combination of Time Based PM, PT&I, and PAM tasks for each system, subsystem, or unit specified to attain the respective levels of availability, output, redundancy, and intended function. The Contractor plan shall include instructions down to the PM and PT&I task level, and shall include a schedule and any necessary implementation instructions required for completion of the work. This plan shall also provide recommendations of any modifications to the Government provided minimum requirements which would result in an improved maintenance value. The plan shall be subject to the review of the Government and will be inspected down to the PM, PT&I task, and schedule. Upon review, this plan shall become the property of the Government and shall be maintained in the Central Engineering Files (CEF).

5.2.1.3 Restrictions, Limitations, or Special Conditions

PM does not include cosmetic painting.

PM does include touch-up painting of utilities and system equipment which has deteriorated or has been damaged; however, it is limited to minor surface painting (up to 25 percent of the surface of the equipment) to correct damage or deterioration.

PM does include services such as filter changes, light bulb replacements, drive belt replacements, lubricant replacement, etc., due to unsatisfactory testing or inspections. PM does not include corrections/upgrades identified as SFUSS or IAGP deficiencies (e.g., safety or fire inspections, new laws, etc.). Materials such as filter, light bulbs, chlorine gas, lubricants, belts, etc. shall be provided as part of the PM.

5.2.1.4 Inspections and Incentives

The MTS and MIs establish the minimum quantity and frequency for all PM and PT&I task for specified SFUSS & IAGP. The government will inspect to the PM and PT&I task.

level. Performance incentives shall be assessed in accordance with the Performance Requirements Summary (PRS). Timeliness means meeting the scheduling criteria in Table 5.2-1, additionally availability will be given incentives as described in Annex 5.5.

5.2.1.5 Reliability Centered Maintenance (RCM)

The SSC RCM Analysis Manuals contain RCM analysis of the facilities and systems listed in **5.2.2.6**. The Contractor is required to update these analyses and make recommendations to MTS according to the requirements of **5.2.2.6 and 5.2.2.6.1.** The purpose of these updates and changes to MTS is to provide a process that continually proposes modifications to PM methods, frequencies, and technologies that will provide the optimum combination of PM (time based), PT&I (condition based), Reactive (run to failure), and Proactive (change design) maintenance. Proposed changes that affect the minimum requirements of the MTS require the approval of the CO.

Contractor recommended changes to MTS must meet the above stated purpose while maintaining SFUSS & IAGP life cycle and ability to provide the specified availability to the intended function, outputs, redundancies, and support to SSC missions and goals. It is the Government’s intention to concur with these type MTS changes, thereby allowing the Contractor to perform PM with less resources.

5.2.1.6 Installation-Accountable Government Property (IAGP)

The Contractor shall maintain all Installation-Accountable Government Property (IAGP) equipment in accordance with the requirements of FAR Part 45.5. The Contractor's maintenance program shall be described in the PM plan (DR 5-FA04)**,** see section 5.2.2.1.1. The applicable preventive maintenance tasks for IAGP are defined by Maintenance Task Sheets (MTS) and Maintenance Instructions (MIs) which are referenced in this Annex. The applicable MTS and MIs for the Special Purpose Mobile Equipment (SPME), which is a subset of the IAGP, are listed in Exhibit 4 of Annex 5. All IAGP equipment is listed by class in Attachment J-10, lists 1 and 2. List 1 comprises of the IAGP (No Class Exceptions), while list 2 contains the IAGP (Class Exceptions) as defined in Section G.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2	**PREVENTIVE MAINTENANCE PROGRAM**	Provide the labor and materials to implement, maintain, and accomplish, as defined below a reliability centered preventive maintenance program for SFUSS & IAGP. The SFUSS & IAGP specified for Preventive Maintenance (PM) below are defined in Table 5.1-1 and listed in the MAXIMO equipment database, structures and facility list, and IAGP list. This work requires the use of the existing Computerized Maintenance Management System (CMMS) MAXIMO to schedule and manage the specified PM. Maintenance Task Sheets (MTS) for SFUSS & IAGP are provided in Exhibit 2 of this Annex.		
5.2.2.1	**Preventive Maintenance Management, Scheduling and Control**			
5.2.2.1.1	**Provide PM Plan** **DR 5-FA04**	Prepare a SFUSS & IAGP Preventive Maintenance Plan for the SFUSS & IAGP specified in this Annex. The Plan shall, as a minimum, meet the requirement of FAR Part 45.5. It shall detail how the Contractor plans to perform all the required PM tasks at the specified frequencies. Further it shall include any additional Contractor maintenance procedures required to meet the required		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.1.1	**Continuation** **Provide PM Plan DR 5-FA04**	levels of availability. The Plan shall contain a full one-year schedule of all SFUSS & IAGP PM (See Table 5.2.2.1.3). The schedule shall address when each MTS task number and step number for all SFUSS & IAGP will be performed. In addition, the plan shall comply with schedule in Section G and H and also **Annex 6.**	1 PM Plan	The PM Plan shall be submitted for CO review within 90 days from contract start.
5.2.2.1.2	**Manage PM – Using the Existing CMMS MAXIMO; Operate a PM System for Tracking; and Reporting all SFUSS & IAGP PM.**	The system shall provide on-line access to all SFUSS & IAGP PM status. It will provide full visibility on scheduled, in-progress, completed, and deferred PM work. Data entry shall be timely so that it will provide the scheduled PM planned for each day. The data shall be available for Government review by 7 a.m. daily.	Contractor determined	Information shall be available for Government review during core work hours.
5.2.2.1.3	**Schedule PM - Using the Existing CMMS and Scheduling SFUSS & IAGP PM.**	PM shall be scheduled to meet the minimum requirements of the Maintenance Task Sheets (MTS).	Contractor determined	Consideration shall be given to seasonal PM requirements.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.1.4	**Control PM-Using the Existing CMMS; Operate a Work Control Center for Coordinating; and Tracking all SFUSS & IAGP PM.**	Assign a work control number to each Maintenance Task Sheet (MTS) to be worked, for tracking and reporting purposes. The work control number shall be referenced to the equipment ID number and Maintenance Task Sheet (MTS).	Contractor determined	All PM work shall be identified with a work control number, MTS number, and equipment ID number.
5.2.2.2	**Accomplish SFUSS & IAGP PM**	Accomplishment of SFUSS & IAGP PM includes all the labor and materials required to perform the maintenance tasks on the SFUSS & IAGP specified below in accordance with the Maintenance Task Sheets (MTS) provided in Exhibit 2.	See Below	In accordance with paragraphs 5.2.2.2.1 thru 5.2.2.2.1.10 and meet scheduling / rescheduling criteria in Table 5.2-1.
5.2.2.2.1	**Accomplish PM for Electrical 13.8kV System**	The Contractor shall perform all tasks at the specified frequencies in accordance with the Maintenance Task Sheets (MTS) for the 13.8kV Electrical Power System.	See Below	Perform all PM tasks on schedule and retain documentation attesting to its completion. Document in accordance with paragraphs 5.2.2.5 through 5.2.2.5.3.
5.2.2.2.1.1	**Accomplish PM for Air Brake Switch, Pad Mounted**	Perform tasks at specified frequencies in accordance with MTS #E-1.	18 Tasks	See paragraph 5.2.2.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.1.2	**Accomplish PM for Fuse Cutout**	Perform tasks at specified frequencies in accordance with MTS #E-2.	300 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.3	**Accomplish PM for Pole Mounted Gang Switch**	Perform tasks at specified frequencies in accordance with MTS #E-3.	82 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.4	**Accomplish PM for SF6 Gas Switch**	Perform tasks at specified frequencies in accordance with MTS #E-5.	30 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.5	**Accomplish PM for Transformer, Pad Mount**	Perform tasks at specified frequencies in accordance with MTS #E-6.	125 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.6	**Accomplish PM for Pole Mounted Transformer**	Perform tasks at specified frequencies in accordance with MTS #E-7.	90 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.7	**Accomplish PM for Recloser**	Perform tasks at specified frequencies in accordance with MTS #E-8.	20 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.8	**Accomplish PM for Distribution System**	Perform tasks at specified frequencies in accordance with MTS #E-9.	360 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.9	**Accomplish PM for Area Lighting**	Perform tasks at specified frequencies in accordance with MTS #E-10.	1,347 Tasks	See paragraph 5.2.2.2.1
5.2.2.2.1.10	**Accomplish PM for Electric Meters**	Perform tasks at specified frequencies in accordance with MTS #E-11.	33 Tasks	See Paragraph 5.2.2.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.2	**Accomplish PM for Roads, Bridges, and Storm Drains**	No tasks have been specified by the government. The Contractor shall develop, schedule and perform any tasks necessary if applicable to achieve system reliability and the required availability.	See Below	Submit as part of PM plan (5.2.2.1.1). Schedule and perform concurred tasks.
5.2.2.2.2.1	**Accomplish PM for Road System**	Contractor shall maintain smooth, even driving surfaces free of vegetation and potholes.	There are approximately 45 miles of primary and 20 miles of secondary roads.	
5.2.2.2.2.2	**Accomplish PM for Bridges (Other than Bascule Bridge)**	Contractor shall maintain structure to insure safe passage of appropriate vehicles at rated load. Driving surfaces shall be maintained smooth and even. Any barrier shall be repaired as necessary.	Contractor Determined	
5.2.2.2.2.3	**Accomplish PM for Storm Drains**	Contractor shall insure all storm drains are clear of debris and vegetation and are capable of allowing water to drain freely.	Contractor Determined	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.3	**Accomplish PM for Potable Water System**	The Contractor shall perform all tasks at the specified frequencies in accordance with the Maintenance Task Sheets (MTS) for the Potable Water System.	See Below	Perform all PM tasks on schedule and retain documentation attesting to its completion. Document in accordance with paragraphs 5.2.2.5 through 5.2.2.5.3.
5.2.2.2.3.1	**Accomplish PM for Well House Systems**	Perform tasks at specified frequencies in accordance with MTS #PW-1, #PW-2 and #PW-3.	47 Tasks	See paragraph 5.2.2.2.3
5.2.2.2.3.2	**Accomplish PM for No. 3 Elevated Tank Pump House System**	Perform tasks at specified frequencies in accordance with MTS #PW-4.	16 Tasks	See paragraph 5.2.2.2.3
5.2.2.2.4	**Accomplish PM for Canals, Locks Docks, Bascule Bridge, and Tugboat**	The Contractor shall perform all tasks at the specified frequencies in accordance with the Maintenance Task Sheets (MTS) for Marine Systems and Equipment as defined below.	See Below	
5.2.2.2.4.1	**Accomplish PM for Canal System and Associated Structures**	Perform tasks at specified frequencies in accordance with MTS # MO1	1 Task	Perform PM Tasks as scheduled. Document per 5.2.2.5

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.4.2	**Accomplish PM for the Canal Water Pumping Station 2311**	Perform tasks at specified frequencies in accordance with MTS # MO2	5 Tasks	Same as item 5.2.2.2.4.1
5.2.2.2.4.3	**Accomplish PM for the Navigation Lock System 2315-2317**	Perform tasks at specified frequencies in accordance with MTS # MO3	5 Tasks	Same as item 5.2.2.2.4.1
5.2.2.2.4.4	**Accomplish PM for the Bridge and Lock Equipment Building 2315**	Perform tasks at specified frequencies in accordance with MTS # MO4	57 Tasks	Same as item 5.2.2.2.4.1
5.2.2.2.4.5	**Requirement Removed**	**Requirement Removed**	**Requirement Removed**	**Requirement Removed**
5.2.2.2.4.6	**Requirement Removed**	**Requirement Removed**	**Requirement Removed**	**Requirement Removed**
5.2.2.2.4.7	**Accomplish PM for Other Docks and Piers**	Perform tasks at specified frequencies in accordance with MTS # MO7	5 Tasks	Same as item 5.2.2.2.4.1
5.2.2.2.4.8	**Accomplish PM for the Bascule Bridge and Associated Installed Structures and Equipment**	Perform tasks at specified frequencies in accordance with MTS # MO8	7 Tasks	Same as item 5.2.2.2.4.1
5.2.2.2.4.9	**Accomplish PM for the NASA Tugboat, Clermont II**	Perform tasks at specified frequencies in accordance with MTS # MO9	57 Tasks	Same as item 5.2.2.2.4.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.5	**Accomplish PM for Sanitary Sewage System**	The Contractor shall perform all tasks at the specified frequencies in accordance with the Maintenance Task Sheets (MTS) for the sanitary sewage system.		Perform all PM tasks on schedule and retain documentation attesting to its completion. Document in accordance with paragraphs 5.2.2.5 thru 5.2.2.5.3.
5.2.2.2.5.1	**Accomplish PM for Collection System Lift Stations**	Perform tasks at specified frequencies in accordance with MTS #SS-1 & #SS-2.	170 Tasks	See paragraph 5.2.2.2.5.
5.2.2.2.5.2	**Accomplish PM for Treatment Lagoons**	Perform tasks at specified frequencies in accordance with MTS #SS-3.	106 Tasks	See paragraph 5.2.2.2.5.
5.2.2.2.5.3	**Accomplish PM for Rock-Reed Systems**	Perform tasks at specified frequencies in accordance with MTS #SS-4.	6 Tasks	See paragraph 5.2.2.2.5.
5.2.2.2.5.4	**Accomplish PM for Septic Tank/Field Drain Systems**	Perform tasks at specified frequencies in accordance with MTS #SS-5.	12 Tasks	See paragraph 5.2.2.2.5.
5.2.2.2.5.5	**Accomplish PM for Treatment System at Building 1105**	Perform tasks at specified frequencies in accordance with manufacturer's recommendations.		See paragraph 5.2.2.2.5.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.6	**Accomplish PM, Testing, and Inspection for IAGP Equipment**	The Contractor shall perform all maintenance tasks in accordance with the approved PM plan (DR 5-FA04). The Contractor can utilize the appropriate Maintenance Task Sheets (MTSs) and MI's to accomplish this maintenance. Additionally the Contractor shall perform the testing and inspection required by 5.2.2.2.6.2 and 5.2.2.2.6.3. Deficiencies discovered during testing and inspections shall be corrected as part of the test inspection. However, if the Contractor determines that the work exceeds PM scope, this work shall be accomplished as CM and in accordance with Annex 5.3	See Exhibit 4 of Annex 5 &Attachment J-10, lists 1 and 2	See 5.2.2.2.6.1, 5.2.2.2.6.2, and 5.2.2.2.6.3
5.2.2.2.6.1	**Accomplish PM for IAGP Equipment**	Perform all PM described in the appropriate MTS or MI listed in the referenced inventory. Accomplish tasks at the specified frequencies given in the MTSs or MIs. The Contractor shall perform all tasks to insure that the IAGP equipment can be operated safely. The Contractor shall refer to the appropriate MTS or MI for safety information	See Exhibit 4 of Annex 5 & Attachment J10, lists 1 and 2	Perform maintenance tasks On schedule and retain documentation in accordance with Paragraphs 5.2.2.5 thru 5.2.2.5.4.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.6.2	**Accomplish Testing for SPME**	The Contractor shall perform all tests required by the appropriate MTS or MI for IAGP equipment. Accomplish testing at the specified frequencies given in the MTSs and MIs and in accordance with the latest revision of the NASA STD-8719.9 and SWI-8834-0001. Cumulative test records shall be kept for each IAGP equipment element listed in the referenced inventory. These records shall be available to NASA and Government over-site agencies such as OSHA.	See Exhibit 4 of Annex 5 & Attachment J10, lists 1 and 2	No instance of any IAGP equipment in inventory being out of certification because of failure to perform testing in accordance with this paragraph.
5.2.2.2.6.3	**Accomplish Inspection for SPME**	The Contractor shall perform periodic safety inspections in accordance with the MTS's, MI's, and the latest revision of the NASA STD-8719.9 and SWI-8834-0001. Cumulative inspection records shall be kept for each IAGP equipment element listed in the referenced inventory. These records shall be available to NASA and Government over-site agencies such as OSHA AND DCMA.	See Exhibit 4 of Annex 5 & Attachment J10, lists 1 and 2	No instance of any IAGP equipment in inventory being out of certification because of failure to perform inspection in accordance with this paragraph.
5.2.2.2.7	**Accomplish PM for EMCS System**	No tasks have been specified by the government. The Contractor shall develop, schedule and perform any tasks necessary (if applicable) to achieve system reliability and the required availability.	Contractor determined	Submit tasks for government review. Schedule and perform concurred tasks.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8	**Buildings & Structures**			
5.2.2.2.8.1	**Accomplish PM and Periodic Certifications for Elevator and Dumbwaiters**	The Contractor shall perform all tasks at the specified frequencies in accordance with the MTS listed below in **5.2.2.2.8.1.1**. Additionally, the Contractor shall provide the inspection and testing services required for the periodic certification of elevators and dumbwaiters as required in **5.2.2.2.8.1.2.** Deficiencies discovered during routine and periodic inspection/testing shall be corrected as part of the inspection/test. However, if the Contractor determines that work exceeds routine and periodic inspection/testing scope, this work shall be accomplished as CM and in accordance with **Annex 5.3**.	Elevators and Dumbwaiters are listed in Exhibit 5 of Annex 5, in the Inventory of Vertical Transportation Equipment List**.**	**See 5.2.2.2.8.1.1 & 5.2.2.2.8.1.2**
5.2.2.2.8.1.1	**Accomplish PM for Elevators and Dumbwaiters**	Perform tasks at specified frequencies in accordance with MTS #EL1, MTS #EL2, and MTS #EL3. All work shall comply with ASME A17.1.	26 Tasks	Perform all PM tasks on schedule and retain documentation. Document in accordance with Paragraph 5.2.2.5 thru 5.2.2.5.3

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.1.2	**Accomplish Periodic Certifications for Elevators and Dumbwaiters**	The Contractor shall provide inspection and testing services as required for routine and periodic certification requirements of elevator and dumbwaiter systems. All inspections and tests shall be performed in the presence of a certified inspector who shall not be an employee of the Contractor, but provided by the Contractor through a separate facilities support contract. The Contractor may perform the inspection/tests but cannot provide the certified inspector.	See 5.2.2.2.8.1	The routine and periodic inspections/testing shall be performed at the time intervals required by ASME A17.1. The inspection/test schedule shall be based on the last inspection date and test date as given in the Inventory of Vertical Transportation Equipment List in Exhibit 5.
		1. Semi-Annual: Routine inspection and testing of passenger and freight electric and hydraulic elevators shall be performed semi-annually in accordance with ASME A17.1 rules, 1001.1, 1001.2, 1004.1, 1004.2, 1007.1 and 1007.2.		There shall be no incidence of non-certification because of failure to perform the inspections/ testing required by ASME

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.1.2	**Continuation** **Accomplish Periodic Certifications for Elevators and Dumbwaiters**	2. Annual: Periodic inspection and testing of passenger and freight electric and hydraulic elevators shall be performed annually in accordance with ASME A17.1, rules 1002.1, 1002.2, 1005.1, 1005.2, 1008.1 and 1008.2. Periodic inspection and testing of dumbwaiters shall be performed annually in accordance with ASME A17.1, rule 1010.4. 3. 3 Year: Hydrostatic tests shall be performed on hydraulic elevators at three year intervals in accordance with ASME A17.1, rule 1005.3. 4. 5 Year: Full load and speed tests shall be performed on all electric traction elevators at five year intervals in accordance with ASME A17.1, rules 1002.3 and 1005.4.		A17.1.
5.2.2.2.8.2	**Accomplish PM, Testing, and Inspection for Built-in Cranes, Monorails, and Hoists**	The Contractor shall perform all maintenance tasks described in the Stennis Maintenance Instructions listed below in 5.2.2.2.8.2.1. Additionally, the Contractor shall perform the testing and inspection required by 5.2.2.2.8.2.2.	Exhibit 1 of Annex 5, Inventory of Built-in Cranes, Monorails and Hoists.	See paragraphs 5.2.2.2.8.2.1 through 5.2.2.2.8.2.3 below.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.2	**Continuation** **Accomplish PM, Testing, and Inspection for Built-in Cranes, Monorails, and Hoists**	Deficiencies discovered during testing and inspections shall be corrected as part of the test/inspection. However, if the Contractor determines that the work exceeds PM scope, this work shall be accomplished as CM and in accordance with Annex 5.3.		
5.2.2.2.8.2.1	**Accomplish PM for Built-in Cranes, Monorails, and Hoists**	Perform all maintenance tasks described in appropriate SMIs listed in the Inventory of built-in cranes, monorails and hoists, Exhibit 1 of Annex 5. Accomplish tasks at the specified frequencies given in the SMIs. Note: The PM, testing and inspection of this equipment shall be accomplished in accordance with the Maintenance Instructions (SMIs) and not by Maintenance Task Sheets (SMTSs).	Exhibit 1 of Annex 5, Inventory of Built-in Cranes, Monorails, and Hoists. The MIs referenced in this Inventory are in the TRL.	Perform MI tasks on schedule and retain documentation. Document in accordance with Paragraphs 5.2.2.5 through 5.2.2.5.3.
5.2.2.2.8.2.2	**Accomplish Testing for Built-in Cranes, Monorails, and Hoists**	3 types of tests are required for built-in cranes, monorails, and hoists: proof load tests, rated load tests, and operational tests. The proof load tests and operational tests shall be performed prior to first use for new cranes or for existing cranes that have had modifications or alterations performed to components in the load path.	Exhibit 1 of Annex 5, Inventory of built-in cranes, monorails and hoists.	No instance of any built-in cranes, monorails, and hoists listed in inventory being out of certification because of failure to perform testing in accordance with this paragraph.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.2.2	**Continuation** **Accomplish Testing for Built-in Cranes, Monorails, and Hoists**	The Contractor shall meet the above requirements and perform all tests required by the appropriate testing SMIs listed in the Inventory of built-in cranes, Monorails and Hoists, Exhibit 1 of Annex 5. The Contractor shall accomplish testing at the specified frequencies given in the SMIs and in accordance with the latest revision of NASA STD 8719.9 and SSC SWI-8834-0001. Cumulative test records shall be kept for each built-in crane, monorail, and hoist listed in the referenced inventory. These records shall be available to NASA and Government over-site agencies such as OSHA and DCMA	The SMIs referenced in this inventory are in the TRL.	
5.2.2.2.8.2.3	**Accomplish Inspection for Built-in Cranes, Monorails, and Hoists**	The Contractor shall perform daily and periodic safety inspections in accordance with SMI-8830-0114, "Wire Rope, Hook, Chain, and Link Inspection" and NASA -STD-8719.9 (latest version)**.** Cumulative Inspection records shall be kept for each built-in crane, monorail, and hoist in the referenced inventory. These records shall be available to NASA and government over-site agencies such as OSHA and DCMA.	Exhibit 1 of Annex 5, Inventory of Built-in Cranes, Monorails, and Hoists	No instance of any built-in crane, monorail, or hoist listed in inventory being out of certification because of failure to perform inspections in accordance with this paragraph.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.2.4	**Establish and Maintain a Certification Program for Built-in Cranes, Monorails, and Hoists**	The Contractor shall establish and maintain a certification program for all built-in cranes, monorails, and hoists listed in the inventory, including both critical and non-critical. This program shall meet all NASA and OSHA crane safety requirements. Certification shall be based on the **5.2.2.2.8.2.2** and **5.2.2.2.8.2.3** testing and inspections.		Program shall be kept current and be available to NASA for inspection.
5.2.2.2.8.3	**Accomplish Roof Inspection**	The Contractor shall perform an annual roof inspection of all roofs as part of the Annual Facility Inspection required by Annex 5.7.	Roofing 1.7 million SF – 118 Buildings	Meet the requirements of Annex 5.7
5.2.2.2.8.4	**Accomplish PM for Electrical Systems and Equipment**	The Contractor shall perform all tasks at the specified frequencies in accordance with the Maintenance Task Sheets (MTS) for Electrical Systems and equipment as defined below.	See Below	Perform all PM tasks on schedule and retain in documentation. Document in accordance with paragraphs 5.2.2.5 thru 5.2.2.5.3
5.2.2.2.8.4.1	**Accomplish PM for Switchboards and Distribution Panel boards**	Perform tasks at specified frequencies in accordance with MTS #E-12.	1,301 Tasks	See paragraph 5.2.2.2.8.4
5.2.2.2.8.4.2	**Accomplish PM for Motor Control Centers**	Perform tasks at specified frequencies in accordance with MTS #E-13.	117 Tasks	See paragraph 5.2.2.2.8.4

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.4.3	**Accomplish PM for Interior, Exterior, Emergency and Exit Lighting Systems**	Perform tasks at specified frequencies in accordance with MTS #E-14.	130 Tasks	See paragraph 5.2.2.2.8.4
5.2.2.2.8.4.4	**Accomplish PM for Dry Type Transformers, 45 Kva and Above**	Perform tasks at specified frequencies in accordance with MTS #E-15.	180 Tasks	See paragraph 5.2.2.2.8.4
5.2.2.2.8.4.5	**Accomplish PM for Uninterruptible Power Supplies (UPS) 7 Kva and Above**	Perform tasks at specified frequencies in accordance with MTS #E-16.	76 Tasks	See paragraph 5.2.2.2.8.4
5.2.2.2.8.4.6	**Accomplish PM for Diesel Generators**	Perform tasks at specified frequencies in accordance with MTS #E-17.	183 Tasks	See paragraph 5.2.2.2.8.4
5.2.2.2.8.4.7	**Accomplish PM for Cathodic Protection Systems**	Perform tasks at specified frequencies in accordance with MTS #E-18.	12 Tasks	See paragraph 5.2.2.2.8.4
5.2.2.2.8.4.8	**Accomplish PM for Lightning, Grounding, and Surge Protection Systems**	Perform tasks at specified frequencies in accordance with MTS #E-19.	248 Tasks	See paragraph 5.2.2.2.8.4

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.5	**Accomplish PM for Backflow Preventers**	The Contractor shall test all backflow preventers [referred to as cross connection control devices by the Mississippi State Department of Health (MSDH)] each year with an MSDH approved and licensed backflow device tester. The testing shall be performed by a Waterworks Operator certified for a Class "D" water system by the MSDH and shall be performed in accordance with MSDH requirements.	Inventory of 104 Back Flow Preventers, See Exhibit 6	Test all backflow preventers in inventory annually and maintain records of testing.
		Records of testing shall be maintained by the Contractor and be available for review by NASA and MSDH Division of Water Supply staff.		No violation of MSDH requirements for backflow preventer testing.
5.2.2.2.8.6	**Accomplish PM for HVAC and Refrigeration Systems and Equipment**	The Contractor shall perform all tasks at the specified frequencies in accordance with the Maintenance Task Sheets (MTS) for HVAC and Refrigeration Systems and Equipment.	See Below	Perform all PM tasks on schedule and retain documentation attesting to its completion. Document in accordance with paragraph 5.2.2.5.
5.2.2.2.8.6.1	**Accomplish PM for Centrifugal and Screw Compressor Type Chillers**	Perform tasks at specified frequencies in accordance with MTS # M-1.	172 Tasks	See paragraph 5.2.2.2.8.6

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.6.2	**Accomplish PM for Reciprocating Compressor, Water Cooled Chillers**	Perform tasks at specified frequencies in accordance with MTS # M-2.	14 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.3	**Accomplish PM for Reciprocating Compressor, Air Cooled Chillers and Heat Lifts**	Perform tasks at specified frequencies in accordance with MTS # M-2.	21 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.4	**Accomplish PM for Gear Drive, Forced Draft Cooling Towers**	Perform tasks at specified frequencies in accordance with MTS # M-3.	112 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.5	**Accomplish PM for Belt Drive, Forced Draft Cooling Towers**	Perform tasks at specified frequencies in accordance with MTS # M-4.	47 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.6	**Accomplish PM for Gas Fired Hot Water Heating Boilers**	Perform tasks at specified frequencies in accordance with MTS # M-5.	715 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.7	**Accomplish PM for Electric Hot Water Heating Boilers**	Perform tasks at specified frequencies in accordance with MTS # M-6.	4 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.8	**Accomplish PM for Condenser Water Chemical Injection Systems**	Perform tasks at specified frequencies in accordance with MTS # M-7.	52 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.9	**Accomplish PM for Pumps (CHW, HW, CW, and Industrial Water Pumps).**	Perform tasks at specified frequencies in accordance with MTS # M-8.	876 Tasks	See paragraph 5.2.2.2.8.6

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.6.10	**Accomplish PM for CHW Type AHUs**	Perform tasks at specified frequencies in accordance with MTS # M-9.	1,267 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.11	**Accomplish PM for HVUs**	Perform tasks at specified frequencies in accordance with MTS # M-10.	261 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.12	**Accomplish PM for CHW Type CRUs**	Perform tasks at specified frequencies in accordance with MTS # M-11.	352 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.13	**Accomplish PM for DX Type CRUs (Water Cooled and Air Cooled)**	Perform tasks at specified frequencies in accordance with MTS # M-11.	337 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.14	**Accomplish PM for DX Type Air Conditioning Equipment, including Split Systems, Unitary Units, RTUs, etc. (Water Cooled and Air Cooled)**	Perform tasks at specified frequencies in accordance with MTS # M-12.	1,972 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.15	**Accomplish PM for Unit Gas Heaters**	Perform tasks at specified frequencies in accordance with MTS # M-13.	156 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.16	**Accomplish PM for Fans; Blowers, Vents, and Hoods**	Perform tasks at specified frequencies in accordance with MTS # M-14.	541 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.17	**Accomplish PM for Air Compressors and Air Dryers**	Perform tasks at specified frequencies in accordance with MTS # M-15.	136 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.18	**Accomplish PM for Kitchen Exhaust Hoods.**	Perform tasks at specified frequencies in accordance with MTS # M-16.	7 Tasks	See paragraph 5.2.2.2.8.6

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.6.19	**Accomplish PM for Walk-in Coolers.**	Perform tasks at specified frequencies in accordance with MTS # M-17.	3 Tasks	See paragraph 5.2.2.2.8.6
5.2.2.2.8.6.20	**Accomplish PM for Refrigeration Appliances (Ice Makers, Refrigerators, Freezers, etc) and All Other HVAC and Refrigeration Equipment and Systems as Required to Meet Availability Requirements of Annex 5.5**	Perform all PM and PT&I tasks (not identified in paragraphs 5.2.2.2.8.6.1 through 5.2.2.2.8.6.19) which the Contractor feels are necessary to meet Availability Requirements. The Contractor shall perform all necessary PMs to HVAC and Refrigeration Equipment and Systems (identified in the Equipment Database). These PMs shall include all peripheral and such as support equipment, parts and components pumps, motors, actuators, piping, expansion tanks, controls, instrumentation, and other components necessary to provide a complete and operational system. The Contractor shall provide a complete itemized task listing of these PM activities. This listing shall provide a technical breakdown of activities similar to the Task Sheets provided by the Government	Contractor Determined	See paragraph 5.2.2.2.8.6 Contractor shall identify SFUSS & IAGP, quantities and types of PM, Tasks, and shall provide a schedule breakdown by Task.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.8.7	**Accomplish PM for Fire Protection & Detection Systems**	The Contractor shall perform all tasks at the specified frequencies in accordance with the Maintenance Task Sheets (MTS) for Fire Protection & Detection Systems.	See Below	Perform all tasks on schedule and retain documentation attesting to its completion. Document in accordance with paragraphs 5.2.2.5 through 5.2.2.5.3.
5.2.2.2.8.7.1	**Accomplish PM for Fire Alarm Central Console**	Perform tasks at specified frequencies in accordance with MTS #E-20	1 Task	See paragraph 5.2.2.2.8.7
5.2.2.2.8.7.2	**Accomplish PM for Radio Frequency Transceivers**	Perform tasks at specified frequencies in accordance with MTS #E-21	96 Tasks	See paragraph 5.2.2.2.8.7
5.2.2.2.8.7.3	**Accomplish PM for Facility Fire Alarm Panels and Systems**	Perform tasks at specified frequencies in accordance with MTS #E-22	112 Tasks	See paragraph 5.2.2.2.8.7
5.2.2.2.8.7.4	**Accomplish PM for Facility Security Systems**	Perform tasks at specified frequencies in accordance with MTS #E-23	2 Tasks	See paragraph 5.2.2.2.8.7
5.2.2.2.8.7.5	**Accomplish PM for Sprinkler & Suppression Systems**	Perform tasks at specified frequencies in accordance with MTS #E-24	112 Tasks	See paragraph 5.2.2.2.8.7
5.2.2.2.8.7.6	**Accomplish PM for Fire Hydrants and Post Indicator Valves**	Perform tasks at specified frequencies in accordance with MTS #E-25	457 Tasks	See paragraph 5.2.2.2.8.7

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.2.9	**Accomplish PM for Natural Gas System**	The Contractor shall perform all tasks at the specified frequencies in accordance with MTS #NG-1 for the Natural Gas System.	5 Tasks	Perform all PM tasks on schedule and retain documentation attesting to its completion. Document in accordance with paragraphs 5.2.2.5 through 5.2.2.5.3.
5.2.2.2.10	**Accomplish PM for Propellant Truck Scales**	The contractor shall perform all tasks at the specified frequencies in accordance with the MTS #ME-24 for the propellant truck scales.	63 Tasks	Perform all PM tasks on schedule and retain documentation attesting to its completion. Document in accordance with paragraphs 5.2.2.5 through 5.2.2.5.3.
5.2.2.3	**SFUSS & IAGP Equipment Identification - Maintain CMMS Equipment Identification on the Equipment in the MAXIMO Database**	Ensure SFUSS & IAGP equipment has an equipment ID tag attached. Ensure equipment has a corresponding ID in the CMMS database. Maintain equipment numbering to the same level as the existing MAXIMO equipment database.	As required	Retag equipment that has missing or illegible tags.
5.2.2.4	**Update and Maintain SFUSS & IAGP PM Program**		Contractor determined	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.4.1	**Identify Configuration Changes, Errors, or Deficiencies to the Existing SFUSS & IAGP PM Program**	Includes, identification of changes found by application of maintenance actions, manufacturer's maintenance change bulletins, configuration changes, and changes recommended by updated RCM analysis.	As required	Identify all changes to reflect current configuration.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.4.2	**Accomplish or Recommend Updates**	Accomplish updates not requiring contract modification. Recommend all other updates to the CO (e.g. changes to MTS).	As required	Updates or recommendation to be made within 10 days of identification.
5.2.2.5	**Document Work**		Contractor determined	Input information within 48 hours of action.
5.2.2.5.1	**Document completed PM** **Provide government access to documentation.** **Provide reports specified in DR 5-FA02.**	Accomplished PMs shall be recorded into the CMMS program. Record the actions accomplished, the date of accomplishment, the name of the individual responsible for accomplishing the action, and any other pertinent data necessary to provide a complete audit trail of accomplishment.	As required	A complete audit trail exists for each PM action.
5.2.2.5.2	**Document deferred PM** **Document PM actions which have been deferred.** **Provide reports specified in DR 5-FA02.**	Document reason for deferral, including data such as the date and times PM was attempted, individuals contacted for access, deferral code, rescheduled date, et. Codes and deferral logic are found in Table 5.2-1**.**	As required	Documentation supports efforts to accomplish the PM, and to support the reported deferral code.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.5.3	**Document PM which will not be accomplished.** **Provide reports specified in DR 5-FA02.**	Document reason for non-performance. Table 5.2-1 gives reschedule limits beyond which PM will not be rescheduled.	As required	Documentation for PM that will not be accomplished due to Contractor fault shall show corrective measures taken to prevent reoccurrence.
5.2.2.5.4	**Document accomplished PM on all IAGP**	Accomplish PMs shall be recorded on all IAGP. Record the actions accomplished the date of accomplishment, and any other pertinent data necessary to provide a complete audit trail of accomplishment.	See Exhibit 4 of Annex 5, Attachment J-10, Lists 1 and 2	A complete audit trail exists for each PM action.
5.2.2.6	**Perform RCM Analysis** **Update the Existing RCM Analysis and Criticality Assessments**	Update the RCM analysis, critical system lists, criticality line drawings, and all other pertinent information contained in the existing RCM analysis and criticality assessments. See 5.2.2.4.2 for updates of MTS.		The updates shall reflect the current configuration and be performed annually. The CO shall concur with updates.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.2.2.6.1	**Recommend Changes to MTS Based on RCM Analysis**	Recommended changes can be of the result of configuration changes, new technologies, change of mission or goals etc. The Contractor shall base the recommendations on RCM analysis and provide evidence that the proposed changes to MTS improve system reliability and maintain the lifecycle of equipment. See **5.2.2.4.2** for updates of MTS.	Contractor Determined	Recommendations and RCM analysis are submitted to CO for approval.

ANNEX 5.2
MAINTENANCE SCHEDULING REQUIREMENTS

Reference 5.2.2.5 and DR 5-FA02.

GOVERNMENT CAUSED. The following deferral explanations and related codes will be used when maintenance actions cannot be accomplished within an initial scheduled window. Use Report Code (GC) for Government caused deferrals and rescheduled maintenance as defined in this table. To be considered and approved as a Government caused deferral, maintenance must be attempted and/or access must have been requested within the first 25 percent of the allotted "windows" as defined below e.g., a quarterly action (28-day window) must be attempted within the first 7 days of the scheduled date; an annual action (56-day window) within the first 14 days; a weekly (4-day window) within the first day, etc. Additionally the CO must be notified within 75 percent of the allotted "window" when work cannot be accomplished. Notification shall be accomplished electronically and contain enough information to allow sufficient Government action/follow-up. In all cases, the maintenance actions or portions of which can be accomplished must be accomplished. Re-performance of government caused delays shall be per this table and this shall not affect incentive fee.

Access Denied - Access to a particular building, area, or equipment is denied or prevented by the Government, preventing accomplishment of a maintenance action. Report code "GA" and reschedule maintenance as defined in this table:

Access Obstructed - The maintenance action cannot be accomplished as access to the equipment is physically obstructed (e.g., new wall constructed around equipment, the equipment is installed preventing access, etc.) and further Government action is required to obtain access. Report code "GO" and reschedule maintenance as defined in this table, unless notified by the CO to suspend maintenance actions.

Equipment Not in Place - The maintenance action cannot be accomplished as the equipment has been, or is being, removed, replaced, modified, placed in storage, or never installed in the system. Report code "GE" and reschedule maintenance as defined in this table, unless notified by the CO to suspend maintenance actions.

Maintenance Action Invalid - The established maintenance action is inappropriate for the equipment and the maintenance cannot be performed. Report code "GM" and reschedule maintenance as defined in this table, unless notified by the CO to suspend maintenance actions.

Safety Hazard - The maintenance action or the piece of equipment presents an immediate safety hazard. Report code "GS" and reschedule as defined in this table, unless notified by the CO to suspend maintenance actions.

Contractor Caused - Any uncompleted maintenance actions not meeting one of the deferral codes above shall be coded "CC" for Contractor Caused and rescheduled as defined in this table. This may affect incentive fee.

ANNEX 5.2
MAINTENANCE SCHEDULING REQUIREMENTS

TABLE 5.2-1
MAINTENANCE SCHEDULING REQUIREMENTS

Maintenance Frequency	Initial Window (Days)	First Reschedule Window (Days)	Second Reschedule Window (Days)	Third Reschedule Window (Days)	Fourth Reschedule Window (Days)	Follow-on Reschedule Window (Days)	Comments
Weekly	4	N/A	N/A	N/A	N/A	N/A	Do not reschedule
Every 2 Weeks	7	N/A	N/A	N/A	N/A	N/A	Do not reschedule
Monthly	14	N/A	N/A	N/A	N/A		Do not reschedule
Semi-Quarterly	21	32	N/A	N/A	N/A		
Quarterly	28	42	N/A	N/A	N/A		
Semi-Annually	56	84	N/A	N/A	N/A		
Annually	56	84	84	N/A	N/A		
Every 18 Months	56	84	84	84	84		
Every 24 Months	56	84	84	84	84	84	Reschedule 1 more time
Every 36 Months	56	84	84	84	84	84	Reschedule 4 more times
Every 48 Months	56	84	84	84	84	84	Reschedule 7 more times
Every 60 Months	56	84	84	84	84	84	Reschedule 11 more times

ANNEX 5.3
FACILITY MAINTENANCE AND OPERATIONS
CORRECTIVE MAINTENANCE

5.3.1 GENERAL INFORMATION

5.3.1.1 Annex Description

This Annex section identifies the Corrective Maintenance (CM) requirements for SFUSS and IAGP. CM includes the scheduled or unscheduled work required to repair a piece of equipment, a system, or a real property facility to such a condition that it may be effectively utilized for its intended purpose through life cycle. Repair includes overhaul, reprocessing, or replacement of constituent parts or material that has deteriorated by action of the elements or usage, have been damaged, regardless of the cause, or have not been corrected through maintenance. CM shall repair to a condition equivalent to the original intended or design capacity, efficiency or capability, and shall comply with SSC site standards/Stennis Work Instructions (Available in the TRL). Parts and equipment used for repair shall meet all SSC standards and guidelines. The Contractor is responsible for preparation of scope definition descriptions, engineering requirements, work control, tracking, and all other CM management services otherwise required under the terms of this Annex.

Specified structures and facilities are available in TRL of this Annex and IAGP is identified in Attachment J-10, List 1 and List 2. The defined systems in Table 5.1-1 and the numbered equipment in the MAXIMO equipment database are part of the specified SFUSS & IAGP. (See 5.1.2)

The Contractor shall use all possible inputs to identify CM work. These include CM discovered during PM, operations, PT&I, trouble calls, periodic inspections, casual observations, customer complaints, etc.

The Contractor is expected to use to full advantage the equipment and facilities provided by the Government to offer the greatest extent of CM possible. Although minimum performance standards and guidelines have been established, the Contractor is expected to establish and implement a CM program that is innovative and resourceful.

CM resulting from a Malfunction or Availability Loss shall comply with maximum response & repair times given in Table 5.5-2. Other identified CM work shall be accomplished within the maximum repair times given in Table 5.3-1 (unless otherwise specified within an individual line item). When a CM repair cannot be accomplished within the allowed repair time, due to circumstances beyond the control of the Contractor, the Contractor may obtain relief through a special request to the CO for a continuance. This procedure is detailed in **5.5.1.4**. Failure to meet repair time or to obtain an approved continuance may affect incentive fee.

5.3.1.2 Definition of Terms

Due to the complexity of the required tasking, lack of common industry descriptions, and for the purposes of this contract, the

following terms and others are defined and described in Annex 5.1:

Structures
Facilities
Utilities
Systems/Subsystems

Installation-Accountable Government Property (IAGP)

5.3.1.3 Contractor Responsibility

The Contractor is responsible for all CM work required for the specified SFSS & IAGP.

5.3.1.4 Temporary Repairs and Services

When permanent repairs require an extended outage, the Contractor shall perform temporary repairs and/or provide temporary services when these repairs/services are possible and will result in substantially earlier restoration of service. Temporary repairs shall meet all safety standards. Temporary services shall be provided using portable or rental equipment and other means, where feasible, to maintain the availability of facilities and systems.

When the permanent repair can be scheduled and work resumes, the CM shall be accomplished per this Annex. See 5.3.7.2.1 for emergency and mitigation work.

5.3.1.5 Trouble Calls

Trouble calls are a subset of CM and are reactive maintenance generally called in by telephone by occupants of a facility or maintenance workers. Trouble calls are divided into two categories: Emergency calls (Priority 1) and Routine calls (Priority 2, 3, 4). Historical data on trouble calls received can be found in the TRL.

Emergency trouble calls (Priority 1) require immediate action to prevent loss of or damage to SSC property; restore services that have been disrupted; eliminate hazards to personnel or equipment; affect the operations of equipment or systems identified as critical.

Routine trouble calls (Priority 2, 3, 4) are minor facility problems that are too small to be estimated (usually less than about $2,000 labor and material) and are generally responded to by grouping according to craft and location and do not reasonably require detailed job planning.

The Contractor shall be responsible for mitigating situations requiring emergency work. This includes any work, which consists of correcting a failure, or an anticipated/pending failure, which constitutes an immediate danger to personnel, property, or mission. Additionally, this includes clean-up actions resulting from an emergency situation, such as moving equipment, covering sensitive systems, etc., to preclude further damage to property and follow up checks to ensure reliability of services.

Regardless of the type of trouble call, the Contractor is responsible for sustaining feed back and direct contacts with all customers. To promote good customer relations, the Contractor will strive to ensure that for each trouble call is a complete mutual understanding of the description of work, scheduling, and access requirements. Sustaining feed back is keeping the customers advised of any problems or necessary changes in the work or schedule and sustaining this effort until work completion. A joint Contractor/customer walk-thru final inspection of the work is desirable for highly visible or critical areas.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.2	**Utility Distribution**		Nothing Additional	
5.3.2.1	**Accomplish CM on Electrical 13.8 kV System**	As defined below in paragraphs 5.3.2.1.1 thru 5.3.2.1.11	Nothing Additional	Respond and perform all activities within required time constraints established in Table 5.3-1. Systems shall meet output as defined in System Definition, Table 5.1-1 and in this Annex. If there is a system malfunction or availability loss, refer to Table 5.5-2.
				Repair damage, deterioration, and worn equipment to protect reliability and preserve equipment though life cycle.
5.3.2.1.1	**Accomplish CM on Air Brake Switches**	The Contractor shall adjust linkage arms, repair or replace components resulting from discrepancies noted during PMs, during switching operations, or of trouble calls.	49 Switches	See Paragraph 5.3.2.1

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5.3.2.1.2	**Accomplish CM on Fuse Cutouts**	The Contractor shall repair or replace components so as to restore cutouts to original intended use.	156 Cutouts	See Paragraph 5.3.2.1
5.3.2.1.3	**Accomplish CM on Pole Mounted Gang Operated Switches**	The Contractor shall adjust mechanical linkage, repair or replace components so as to restore the switch to original operating condition.	40 Switches	See Paragraph 5.3.2.1
5.3.2.1.4	**Accomplish CM on B-4400 Substation**	The Contractor shall adjust, repair, or replace equipment or components to restore the substation to its original operating condition.	1 B-4400 Substation	See Paragraph 5.3.2.1
5.3.2.1.5	**Accomplish CM on SF6 Switches**	The Contractor shall adjust, repair, or replace equipment or components to restore the switch to its original operating condition.	30 Switches	See Paragraph 5.3.2.1
5.3.2.1.6	**Accomplish CM on Pad Mounted Transformers**	The Contractor shall repair or replace bushings and/or gaskets, leaking valves, or gauges to restore transformer to original operating condition.	94 Transformers	See Paragraph 5.3.2.1
5.3.2.1.7	**Accomplish CM on Pole Mounted Transformers**	The Contractor shall replace defective transformer(s) that have failed due to damage, rupture, or leakage.	138 Transformers	See Paragraph 5.3.2.1

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5.3.2.1.8	**Accomplish CM on Reclosers**	The Contractor shall troubleshoot recloser and controller to determine malfunction, then remove and send offsite for repairs.	4 Reclosers	See Paragraph 5.3.2.1
5.3.2.1.9	**Accomplish CM on Distribution System**	The Contractor shall repair/replace poles, cross arms, guy wires, anchors, insulators, jumpers, clamps, overhead or underground cables, connectors, straps, ground rods, lightning arrestors, and potheads to restore electrical service.	780 Poles 8 Ckts 52 Miles OH wire 13 miles VG wire	See Paragraph 5.3.2.1
5.3.2.1.10	**Accomplish CM on Area Lighting Systems**	The Contractor shall repair/replace area lighting luminaries or poles as a result of damage by vehicular traffic or acts of nature.	626 in Lighting System	See Paragraph 5.3.2.1
5.3.2.1.11	**Accomplish CM on Electric Meters**	The Contractor shall replace defective electric meters.	152 Meters	See Paragraph 5.3.2.1
5.3.2.2	**Accomplish CM for Potable Water Distribution System**	Potable water systems are described in Table 5.1-1 System Definitions. See below in 5.3.2.2.1 thru 5.3.2.2.2	See Below	See Paragraph 5.3.2.1
5.3.2.2.1	**Accomplish CM for Wellhouse Systems**	Include wells, pumps, and treatment systems	3 Well House Systems	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.2.2.2	**Accomplish CM for Water Storage Systems**	Includes all elevated and ground level water storage tanks and their ancillary systems such as cathotic protection.	3 Water Storage Systems	See Paragraph 5.3.2.1
5.3.2.3	**Accomplish CM for Sanitary Sewage System**	The Contractor shall repair and replace all damaged and worn component parts of the system. Replacement parts shall be equal to or better in quality and capacity to that being replaced. All plumbing components shall be free of leaks and operate in accordance with the manufacturer's design specifications.	Systems consist of approximately 76,800 linear feet of forced main, and approximately 29850 linear feet of gravity main.	See Paragraph 5.3.2.1
5.3.2.3.1	**Accomplish CM for Collection System Lift Stations**	See paragraph 5.3.2.3	52 Stations	See Paragraph 5.3.2.1
5.3.2.3.2	**Accomplish CM for Treatment Lagoons**	See paragraph 5.3.2.3	Effluent for Lagoon #1 is approximately 210,000 GPD; Lagoon #2 is approximately 90,000 GPD.	See Paragraph 5.3.2.1
5.3.2.3.3	**Accomplish CM for Rock-Reed**	See paragraph 5.3.2.3	Two Rock-Reed systems treat less than 3,000 Gallons Per Day (GPD).	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.2.3.4	**Accomplish CM for Septic Tank/Field Drain Systems**	See paragraph 5.3.2.3	3 septic tank/field drain systems treat less than 3,000 GPD.	See Paragraph 5.3.2.1
5.3.2.3.5	**Accomplish CM for Treatment System in B-1105**	See paragraph 5.3.2.3		See Paragraph 5.3.2.1
5.3.2.4	**Accomplish CM for Natural Gas Distribution System**	The Contractor shall make repairs, to the natural gas system (see Table 5.1-1 for description). After completing repairs to an area which affects the integrity of the gas system, pressurize the system, and check for leaks. If the repair is made shall b to a buried section of the system, a pressure test e accomplished prior to covering the repaired area.	Nothing Additional	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.2.5	**Accomplish CM for Fuel Systems**	The diesel fuel system supplies fuel for use in engines. This includes stationary and portable generators, pumps, and the tug boat. The diesel fuel system includes, but is not limited to, monitoring system (Veeder Root System), storage tanks, fill pumps, recirculating pumps, supply pumps, valves, environmental controls, level measurement devices, flow indicators, flow elements, pressure regulators, gauges, fittings, and pipe.	31,300 Gallons of Fuel Stocked	See Paragraph 5.3.2.1
		The propane fuel system provides fuel for heating in areas not serviced with natural gas. The system may include, but is not limited to, fill pumps, storage tanks, valves, pressure gauges, level measurement devices, fittings, and pipe.		

5.3.3	**Accomplish CM on Marine Structures, Installed Equipment, Marine Equipment, and Marine Material**	Historical costs for this line item are $20,000/yr under a cost reimbursement type contract.	(See Annex 5.4 for detailed descriptions.) The canal system consists of approximately six miles of canals, banked with rip-rap, with most of the test area drainage directed into the canal through a system of ditches and culverts. The navigation lock allows marine traffic to drop from the canal level to the varying river level, a distance of approximately 18 ft. The bascule bridge is a double span, counter-balanced structure controlled by variable speed electric motors. The canal pumping station consists driven centrifugal	Performed to Availability defined in Annex 5.5. Housekeeping and general appearance must be at a high level due to the public visibility of marine operations.

5.3.3	**Accomplish CM on Marine Structures, Installed Equipment, Marine Equipment, and Marine Material**		pumps which are used to pump water from the river into the canal to maintain water level. Docks and piers: 15 oxygen docks, 9 hydrogen docks, 1 construction dock, 1/3 mile of piers, 75v dolphins, ¼ mile of dock timbers, 100 roller mooring devices, navigation markers, navigation lights, warehouse building, the tugboat Clermont II, skiff with outboard motor, and marine supplies and support equipment.	

5.3.3.1	**Accomplish CM on the Canal System**	The Canal System is defined as the surface water, structures, and devices adjacent to the canal system which are installed as part of the canal waterway system, spillway, canal banks, riprap, navigation aids, piling, dolphins, mooring devices, sheet piling and timbers, and other devices which are used or maintained by marine operations.	6 miles of canal system and surrounding. (Historical work load, 20 tasks/year)	See paragraph 5.3.3
5.3.3.2	**Accomplish CM on the Bascule Bridge**	The Bascule Bridge is defined as the bridge, bridge control building, and all machinery and controls located within and exterior to the bridge structures, navigation lighting, approaches, traffic barriers, and electrical power which supplies the bridge.	1 control building, and surrounding.	See paragraph 5.3.3
5.3.3.3	**Accomplish CM on the Navigation Lock**	The Navigation Lock is defined as the lock, lock control buildings, hydraulic equipment building, and all machinery and controls located within and exterior to the lock structure.	1 lock, 2 lock control buildings, 1 hydraulic and power supply building and equipment, and surrounding. See MAXIMO for historical workload.	See paragraph 5.3.3

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5.3.3.4	**Accomplish CM on the Canal Pump Station**	The Canal Pump Station is defined as the building structure, water inlet and discharge sumps and gratings, equipment located within and exterior to the building and associated piping systems.	4 vertical centrifugal pumping units, piping, valves, inlet grating, outlet grating, and surrounding.	See paragraph 5.3.3
5.3.3.5	**Accomplish CM on the Marine Operations Building (B 3201)**	Building 3201 is used exclusively for storage of marine supplies and equipment and as an office facility.	1 air compressor, warehouse fencing, marine supplies and equipment.	See paragraph 5.3.3
5.3.3.6	**Accomplish CM on Marine Signage, Navigation Aids, Safety Equipment, and Other Special Marine Equipment Including the Skiff.**	Unless maintained under other Annexes or in other areas of this Annex, cost any items that are not covered above. These include the marine skiff with outboard motor, work barges, dock ramp, fenders and other marine equipment.	3 work barges, dock ramp, marine skiff, and various marine equipment.	See paragraph 5.3.3

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5.3.3.7	**Accomplish CM on the NASA Tugboat Clermont II**	The tug is critical item of equipment and shall be maintained to strict Coastguard Standards and as determined by the tug captain. This line item includes the tugboat interior and exterior and all equipment mounted on the tug, or mobile equipment used on the tug. This includes mooring lines, winches, fenders, communication equipment, electronic equipment, electrical equipment, engines, compressors, lifting devices, and all other equipment which is part of the tugboat operations.	1 tugboat	See paragraph 5.3.3 Support mission requirements within 2 hours notice.
5.3.3.8	**Reporting CM (DR 5-GA24)**	The Contractor shall document all CM actions in accordance with Annex 5.4 (CMMS). The Contractor will submit to the CO and designated NASA personnel an equipment failure report. For critical systems in the Test Complexes, these reports shall be submitted within 2 hours of the equipment outage during normal work hours, and within 2 hours of the start of the next normal working day for outages that occur after hours or on holidays.	Nothing Additional	Reports shall be documented in 5 working days from time of completion of repairs.

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5.3.4	**Accomplish CM for Roads, Bridges & Storm Drain Systems**	The Contractor shall repair or replace components and/or devices found to be defective during scheduled PMs (see Annex 5.2) or in response to trouble calls.	Nothing Additional	See Paragraph 5.3.2.1
5.3.4.1	**Accomplish CM for Road System**	The Contractor shall perform CM in response to trouble calls, or as a result of discrepancies not corrected during scheduled PMs (see Annex 5.2).	There are approximately 41 miles of primary and 18 miles of secondary roads.	See Paragraph 5.3.2.1
5.3.4.2	**Accomplish CM for Bridges (excluding the Bascule Bridge).**	The Contractor shall perform CM in response to trouble calls, or as a result of discrepancies not corrected during scheduled PMs (see Annex 5.2).		See Paragraph 5.3.2.1
5.3.4.3	**Accomplish CM for Storm Drain System**	The Contractor shall perform CM in response to trouble calls, or as a result of discrepancies not corrected during scheduled PMs (see Annex 5.2).	Nothing Additional	See Paragraph 5.3.2.1
5.3.5	**Accomplish CM for Fire Protection & Alarm Detection Systems**	The Contractor shall repair or replace components and/or devices found to be defective during scheduled PMs (see Annex 5.2) or in response to trouble calls.	Nothing Additional	See Paragraph 5.3.2.1

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.5.1	**Accomplish CM for the Security Radio Frequency (RF) Control Console**	The Contractor shall perform CM in response to trouble calls, or as a result of discrepancies not corrected during scheduled PMs (see Annex 5.2).	1 Console	See Paragraph 5.3.2.1
5.3.5.2	**Accomplish CM for RF Transceivers**	The Contractor shall perform CM on any Fire Alarm (FA) RF & transceiver failing a "self test". Repairs must be completed within 24 hours of detection.	92 RF Transceivers	Repair within 24 hours of detection.
5.3.5.3	**Accomplish CM for Fire Alarm (FA) Panels**	The Contractor shall perform CM on all fire alarm panels in response to trouble calls and alarms via the RF System or as a result of discrepancies not corrected during PMs.	94 Panels	See Paragraph 5.3.2.1
5.3.5.4	**Accomplish CM for Security Systems**	The Contractor shall perform CM discovered as a result of trouble calls or false alarms, on all security systems connected to the site wide RF alarm system.	2 Security Systems	See Paragraph 5.3.2.1
5.3.5.5	**Accomplish CM for Sprinkler & Suppression Systems**	The Contractor shall inspect, repair, and maintain all fire suppression systems including sprinklers, foam, dry chemical, and gas (CO_2 and Halon) in accordance with applicable National Fire Protection Association (NFPA) 13 & 72. This includes all piping, valves, tanks, pumps, gauges, and associated equipment.	105 Sprinkler Systems & 5 Suppression Systems	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.5.6	**Accomplish CM for Fire Hydrants**	The Contractor shall inspect, repair, and maintain all fire hydrants at SSC as a result of trouble calls and/or as a result of discrepancies not corrected during scheduled PMs.	146 Hydrants 20 Post Indicator Valves	See Paragraph 5.3.2.1
5.3.6	**Accomplish CM for Buildings and Structures**	(Intentionally Left Blank)	Nothing Additional	See Paragraph 5.3.2.1
5.3.6.1	**Accomplish CM for Interior Electrical Systems**	Electrical work shall include repair of electrical equipment and systems up to 600 volts for each building beginning at and including the main distribution panel. All electrical equipment, connections, feeders, branch circuits, and end use devices shall be repaired or replaced so as to operate as originally intended and designed, and in a safe manner. All workmanship and materials shall conform to the National Fire Protection Association (NFPA) 70, National Electrical Code. Maintenance/Repair of lamps, appliances, and cords owned by individuals is not the responsibility of the Contractor.	Nothing Additional	See Paragraph 5.3.2.1

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5.3.6.1.1	**Accomplish CM for Switchboards and Distribution Panel Boards**	The Contractor shall ensure that switchboards and panel boards are securely fastened IAW NFPA 70. Defective molded case circuit breakers shall be replaced with circuit breakers of equal rating. Defective adjustable trip circuit breakers shall be repaired, adjusted or replaced. All loose connections shall be tightened.	1,349 Boards	See Paragraph 5.3.2.1
5.3.6.1.2	**Accomplish CM for Motor Control Centers**	The Contractor shall repair or replace components found to be defective during scheduled PM activities (See Annex 5.2), such as starter module circuit breakers, control transformers, wiring, relays or other devices. CM as a result of trouble calls shall also be included.	112 MCCs	See Paragraph 5.3.2.1
5.3.6.1.3	**Accomplish CM for Interior and Exterior Lighting Systems, Emergency and Exit Lighting Systems**	Cracked, broken, or missing receptacle and switch faceplates shall be replaced with new plates of the same color and size. Light fixture lenses and globes which are damaged or missing shall be replaced with same size and color. Burnt out bulbs and lamps reported by customers are trouble calls and shall include cleaning of lenses, reflectors, and luminaries to obtain maximum light output.	124 Systems	See Paragraph 5.3.2.1

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5.3.6.1.4	**Accomplish CM for Dry Type Transformers**	The Contractor shall perform CM in response to trouble calls, or as a result of discrepancies not corrected during scheduled PMs. See Annex 5.2 for PM requirements.	176 Transformers	See Paragraph 5.3.2.1
5.3.6.1.5	**Accomplish CM for Uninterruptible Power Supply (UPS) Systems**	The Contractor shall troubleshoot and repair or replace components, battery cells, and assemblies to restore equipment to original operating condition.	76 UPS	See Paragraph 5.3.2.1
5.3.6.1.6	**Accomplish CM for Generators**	The Contractor shall troubleshoot, repair components, or replace with like items so as to operate as originally intended and designed, and in a safe manner.	13 Generators	See Paragraph 5.3.2.1
5.3.6.1.7	**Accomplish CM for Cathodic Protection System**	The Contractor shall correct all discrepancies documented during performance of scheduled PM. See Annex 5.2 for PM requirements.	1 System	See Paragraph 5.3.2.1
5.3.6.1.8	**Accomplish CM for Lightning Protection, Grounding, and Surge Protection Systems**	The Contractor shall repair or replace ground conductors, air terminals, and ground rods as a result of damage from excavation or construction to restore the system to its original intended use.	248 Systems	See Paragraph 5.3.2.1

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5.3.6.2	**Accomplish CM for HVAC and Refrigeration Equipment and Systems**	The Contractor shall perform all necessary repairs to HVAC and Refrigeration Equipment and Systems (identified in the MAXIMO Equipment Database). This includes CM for all peripheral and support equipment, parts and components (such as pumps, motors, actuators, piping, expansion tanks, controls, instrumentation, Variable Air Volume (VAV) boxes, ducts, insulation, and other components necessary to provide a complete and operational system.	Nothing Additional	See Paragraph 5.3.2.1
5.3.6.2.1	**Accomplish CM for Centrifugal and Screw Compressor type Chillers and Associated Chilled Water Distribution Systems**	Perform CM to meet defined output, reliability, and availability, and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits. Chillers shall be maintained below alarm levels of vibration analysis.	24 Units	See Paragraph 5.3.2.1
5.3.6.2.2	**Accomplish CM for Reciprocating Compressor; Water Cooled Chillers, Heat Lifts, and Associated Water Distribution Systems**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits.	10 Units	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.2.3	**Accomplish CM for Reciprocating Compressor, Air Cooled Chillers and Associated Chilled Water Distribution Systems**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits.	18 Units	See Paragraph 5.3.2.1
5.3.6.2.4	**Accomplish CM for Gear Drive, Forced Draft Cooling Towers and Associated Condenser Water Distribution Systems**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	22 Units	See Paragraph 5.3.2.1
5.3.6.2.5	**Accomplish CM for Belt Drive, Forced Draft Cooling Towers and Associated Condenser Water Distribution Systems**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	9 Units	See Paragraph 5.3.2.1
5.3.6.2.6	**Accomplish CM for Gas Fired Hot Water Heating Boilers and Associated Hot Water Distribution Systems**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	57 Units	See Paragraph 5.3.2.1.

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5.3.6.2.7	**Accomplish CM for Electric Hot Water Heating Boilers and Associated Hot Water Distribution Systems**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	3 Units	See Paragraph 5.3.2.1
5.3.6.2.8	**Accomplish CM for Condenser Water Chemical Injection Systems**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	14 Units	See Paragraph 5.3.2.1
5.3.6.2.9	**Accomplish CM for Pumps (CHW, HW, CW, and Industrial Water Pumps)**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	221 Units	See Paragraph 5.3.2.1
5.3.6.2.10	**Accomplish CM for CHW Type AHUs**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	267 Units	See Paragraph 5.3.2.1
5.3.6.2.11	**Accomplish CM for HVUs**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	87 Units	See Paragraph 5.3.2.1

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5.3.6.2.12	**Accomplish CM for CHW Type CRUs**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	49 Units	See Paragraph 5.3.2.1
5.3.6.2.13	**Accomplish CM for DX type CRUs (Water Cooled and Air Cooled)**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits.	52 Units	See Paragraph 5.3.2.1
5.3.6.2.14	**Accomplish CM for DX type Air Conditioning Equipment, Including Split Systems, Unitary Units, RTUs, Window Units, etc. (Water Cooled and Air Cooled)**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits.	407 Units	See Paragraph 5.3.2.1
5.3.6.2.15	**Accomplish CM for Unit Heaters**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	159 Units	See Paragraph 5.3.2.1
5.3.6.2.16	**Accomplish CM for Fans; Blowers, Vents, and Hoods**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	541 Units	See Paragraph 5.3.2.1

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5.3.6.2.17	**Accomplish CM for Air Compressors and Air Dryers**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits.	34 Compressors 25 Dryers	See Paragraph 5.3.2.1
5.3.6.2.18	**Accomplish CM for Kitchen Exhaust Hoods**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	7 Units	See Paragraph 5.3.2.1
5.3.6.2.19	**Accomplish CM for Walk-in Coolers**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits .	3 Units	See Paragraph 5.3.2.1
5.3.6.2.20	**Accomplish CM for Refrigeration Appliances (Ice Makers, Refrigerators, Freezers, etc)**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle. Maintain refrigerant leaks below EPA established limits.	33 Units	See Paragraph 5.3.2.1
5.3.6.3	**Accomplish CM for Plumbing and Miscellaneous Mechanical**	The Contractor shall perform all necessary repairs to the plumbing and miscellaneous mechanical system.	Nothing Additional	See Paragraph 5.3.2.1

ANNEX 5.3
FACILITY MAINTENANCE AND OPERATIONS
CORRECTIVE MAINTENANCE

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.3.1	**Accomplish CM for Potable Water System**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	See Annex 5.2	See Paragraph 5.3.2.1
5.3.6.3.2	**Accomplish CM for Wastewater System**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	See Annex 5.2	See Paragraph 5.3.2.1
5.3.6.3.3	**Accomplish CM for Natural Gas System**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle.	See Annex 5.2	See Paragraph 5.3.2.1
5.3.6.3.4	**Accomplish CM for Plumbing and Fixtures**	All sinks, tubs, urinals, basins, faucets, lavatories, showers drain lines, etc. shall be free of leaks and drips, operate properly, drain freely, and free of excessive dripping, cracks, and coloration. All fixtures and components thereof that cannot be repaired shall be replaced with fixture that are in strict compliance with BOCA Basic Plumbing Code 978-4th Edition.	Approximately 526	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.3.5	**Accomplish CM for Water Heaters**	Water heaters shall be repaired or replaced to provide hot water at least 140° F without leaks. Controls, control devices, and safety devices shall operate safely and properly. Water heater insulation jackets (3 inch minimum thickness) shall be installed on all replacement water heaters and/or existing units when excessively worn, damaged, or missing.	145 Water Heaters	See Paragraph 5.3.2.1
5.3.6.3.6	**Accomplish CM for Drinking Fountains**	The Contractor shall repair and replace all water fountains and their component parts. Fountains shall be free of leaks and shall operate in accordance with the manufacturer's design specifications. All damaged and worn component parts shall be replaced. Replacement fountains or component parts shall be equal to or better in quality, size, and capacity to that being replaced. Fountains shall be firmly secured to support structures and free of movement and vibration	240 Drinking Fountains	See Paragraph 5.3.2.1
5.3.6.4	**Accomplish CM for Carpentry Architectural Features**	Carpentry and masonry repair, and minor construction services shall be provided in accordance with the definitions, procedures, and standards specified in this subsection and in the Facilities Engineering Handbook, and in SPECSINTACT (the automated specification processing system used by NASA).	Nothing Additional	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1	**Accomplish CM for the Building Interior Features Listed Below:**	This section is for repair of damaged building interiors, as defined below; however, worn or deteriorated building interiors will be repaired or replaced under a service request.	Building Drawings in C.E.F. for Sections 5.3.6.4.1 thru 5.3.6.4.3.	See Paragraph 5.3.2.1
5.3.6.4.1 Cont	**Floors & Floor Coverings**	Damaged flooring, sub-flooring, and structural members shall be repaired or replaced to provide a structurally sound, uniform, and aesthetic surface that is free of cracks, breaks, chips, tears, gouges, stains, and buckling.		See Paragraph 5.3.2.1
	Resilient Tiles	Damaged tiles shall be replaced with matching tiles of original thickness and shall be removed without affecting adjacent tiles. If tile is replaced adjacent to a wall, vinyl baseboards shall be replaced. Installation shall be in accordance with the tile manufacturer's instructions.		See Paragraph 5.3.2.1
	Linoleum and Vinyl Sheet Flooring	Areas of flooring having gashes or other defects shall be replaced with matching sheet flooring of the same thickness as the original. Damaged flooring shall be removed without affecting adjacent areas. The patch shall be installed using adhesive as recommended by the flooring manufacturer. If flooring is replaced adjacent to a wall, vinyl baseboard shall be replaced.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1 Cont.	**Finished Wood Flooring**	Loose or slightly warped flooring shall be renailed or reglued to subflooring and/or concrete slabs with appropriate adhesive. Scarred flooring that has holes and gashes less than ½ inch wide shall be filled and sealed. Damaged flooring shall be removed and replaced without damage to adjacent walls or flooring.		See Paragraph 5.3.2.1
	Carpet	Damaged carpeting shall be stretched and repaired to match existing carpeting.		See Paragraph 5.3.2.1
	Concrete Floors	Cracked, broken, or spalled areas shall be patched with a non-shrinking cement mortar. The patch shall be finished even with the adjacent surfaces and finished to match existing texture.		See Paragraph 5.3.2.1
	Vinyl Baseboards	Damaged sections of vinyl baseboard shall be removed and replaced with matching baseboard.		See Paragraph 5.3.2.1
	Ceramic Tile	Ceramic tiles that are broken, missing, cracked, or discolored shall be replaced. Floor tiles shall be regrouted, to provide a waterproof seal. In those cases where re placement tiles of an exact match cannot be found, the Contractor shall be required to remove and replace non-defective tiles to create a pattern and minimize the visual effect of the mismatch.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1 Cont.	**Interior Walls, Ceilings, and Trim**	Damaged walls, ceilings, and related trim shall be replaced to provide an attractive surface free of noticeable cracks, spalls, raised areas, holes, dents, marks, and stains. Wood trim items and ceiling fixtures shall be removed as necessary to provide access to the damaged area. On completion of the repair activity, fixtures and trim shall be reinstalled, nails set and filled and items. repainted or refinished to restore them to their original condition		See Paragraph 5.3.2.1
	Drywall	Small dents and holes shall be repaired with spackle over a backing plate when necessary. Spackle shall be feathered on the adjacent surfaces. Holes and other defects in wallboard between two studs or beams shall be repaired by removing a rectangle of gypsum board to the center of the adjoining studs or beams. Replacement gypsum board shall be of the same thickness and texture as the adjacent sheets.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1 Cont.	**Vinyl Wall Covering**	Wall covering that has been ripped, scarred, stained, or otherwise damaged shall be replaced as necessary. Wall covering shall be repaired if the damaged area can be patched and is not noticeable. Wall covering that is extensively damaged or for which a matching wall covering is not available shall be repaired by replacing the wall covering on the entire wall. If matching wall covering is not available, the Contractor shall find a comparable substitute. The Contracting Officer will approve all replacement wall coverings that do not match the existing wall covering. Replacement wall covering shall be hung according to the manufacturer's recommendations.		See Paragraph 5.3.2.1
	Ceramic Tile	Ceramic tiles and window stools and marble saddles that are broken, missing, cracked, or discolored shall be replaced and required. Tiles shall be regrouted to provide a waterproof seal. In those cases where replacement tiles of an exact match cannot be found, the Contractor may be required to remove and replace non defective tiles to create a pattern and minimize the visual effect of the mismatch.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1 Cont.	**Suspended Ceilings**	Broken and badly stained ceiling tiles shall be replaced with tiles of the same material, style, size, and color. Damaged and broken suspended grid system shall be repaired or replaced as necessary to provide a suspended ceiling system as designed.		See Paragraph 5.3.2.1
	Doors	Interior doors shall be maintained and repaired to operate smoothly without binding or sticking. Damaged, deteriorated, or missing doors and associated hardware shall be repaired or replaced. The replaced doors shall be the same type and have the same finish as the original doors. All replacement doors shall be installed with the hardware from the damaged door unless the hardware is unrepairable. Small holes in door faces shall be filled and finished to match the surrounding door surface.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1 Cont.	**Overhead or Rolling Doors and Vault Doors**	Rails shall be checked for alignment. Rusted or corroded areas shall be repaired or replaced. All bearings, rollers, gears, and pulleys shall be properly lubricated. All hangers, bolts, springs, and pins shall be free of rust and corrosion and shall be tightly mounted and secured. Motors and controls shall operate properly and be properly lubricated. Cables and fusible links shall be correctly installed and free from corrosion and rust.		See Paragraph 5.3.2.1
	Stairs & Stairwells	The Contractor shall secure loose treads, risers, stringers, handrails, brackets and other components. Badly damaged stair and handrail components shall be refinished to match original components. Damaged stair finish shall be repaired. Trim items susceptible to damage during the repair activity shall be removed and reinstalled upon completion of the repair activity.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1 Cont.	**Traverse/Curtain Rods**	Sagging and/or non-functioning rods shall be repaired to an operating condition if possible. If beyond economical repair, as determined by the Contracting Officer, rods shall be replaced. Loose brackets shall be secured. Broken cords shall be replaced. Broken or missing drapery slides shall be replaced. Rods shall be level and parallel with the ceiling. Additional support brackets shall be installed to support sagging rods.		See Paragraph 5.3.2.1
	Venetian Blinds and Shades	Venetian blinds and window shades shall be restored to a smooth operating condition. Cracked or damaged slats shall be replaced. Broken or worn cords shall be replaced. Soiled or worn tapes shall be replaced. Loose or missing brackets and supports shall be secured or replaced. Damaged or deteriorated hardware shall be replaced or reworked to operating condition. Damaged rails and torn fabric shall be repaired. If beyond economical repair, as determined by the Contracting Officer, or missing, venetian blinds and shades shall be replaced.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.1 Cont.	**Cabinets and Countertops**	Damaged or deteriorated cabinets, shelving, and countertops shall be repaired or replaced. Missing or inoperative hardware shall be replaced. Countertops shall be free of warped, chipped, burned, cut, or otherwise marred areas.		See Paragraph 5.3.2.1
	Interior Accessories	The Contractor shall repair or replace damaged, inoperative, or missing interior accessories including, but not limited to, towel bars, shower curtain rods, medicine cabinets, mirrors, and door stops. Loose accessories shall be resecured. Damaged or missing items shall be replaced with items matching the original. Replacement hardware shall conform to the **Building Hardware Manufacturer's Association (BHMA) Product Standard**. Hardware items requiring lubrication shall be lubricated and restored to an operable condition. Repairable rusted metal components shall be cleaned of all rust, coated with a rust inhibitor, and restored to an operational condition.		See Paragraph 5.3.2.1
5.3.6.4.2	**Accomplish CM for Building & Structure Exterior features listed below:**	This Section is for repair of damaged building exteriors, as defined below. Worn or deteriorated building exteriors will be repaired or replaced under **Annexes 5.6 or 5.7**.	118 Buildings	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.2 Cont.	**Exterior Walls**	Damaged wall areas shall be repaired or replaced to restore them to a serviceable, structurally sound, and watertight condition. This includes, but is not limited to, replacing damaged masonry units; tuck pointing loose or eroded mortar joints; sealing penetrations in wall openings; replacing damaged or deteriorated structural members; siding underlayment and exterior trim; replacing miscellaneous hardware items; and removal of graffiti or other defects that would render an unsightly appearance to exterior walls.		See Paragraph 5.3.2.1
	Masonry	Damaged masonry units (brick or concrete block) shall be replaced with a unit of the same size, color, and texture. The mortar shall be completely removed and the cavity cleaned and all debris removed. The masonry unit shall then be reseated in mortar and the remaining cavity packed with mortar. All joints between masonry units shall be pointed to match existing. Damaged mortar joints shall be chipped out, cleaned, and dampened before being repainted. Repainted joints shall match undamaged joints.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.2 Cont.	**Hardboard Siding**	Damaged hardboard siding shall be removed without damaging adjacent siding or underlayment. Replacement siding shall match the existing siding in color, texture, and material. Nails shall be of the type and size specified by the manufacturer and shall be driven flush. All joints shall be caulked.		See Paragraph 5.3.2.1
	Concrete	Badly damaged concrete walls shall be repaired with a nonshrinking cement mortar and painted to match.		See Paragraph 5.3.2.1
	Artificial Stucco	Damaged stucco walls shall be repaired and painted to match.		See Paragraph 5.3.2.1
	Metal Siding	Small areas of damaged wall may be spliced with like metal panels; larger damaged areas are to be replaced with like panels.		See Paragraph 5.3.2.1
	Seams	Seams between window or door frames and exterior walls shall be caulked. Old joints shall be scraped and cleaned with a solvent recommended by the caulking manufacturer. The caulking shall be applied according to the manufacturer's directions.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.2 Cont.	**Metal Flashing and Trim**	Damaged metal flashing and trim shall be repaired or replaced to match the existing trim.		See Paragraph 5.3.2.1
	Exterior Trim	Exterior trim, including all exterior moldings, millwork, shutters, and cornice shall be repaired or replaced.		See Paragraph 5.3.2.1
	Exterior Concrete and Masonry Structures	Exterior concrete (portland cement and asphalt) surfaced areas within five feet of the building or structure, such as patios, equipment access pits, sidewalks, and steps, shall be repaired so that they are structurally sound, at original alignment and grade, and are free of damage and major cracks. Roots that cause or contribute to concrete damage shall be removed and the area backfilled. Masonry fences, planters, and steps shall be repaired to replace missing or broken masonry units and repair deteriorated mortar parts, gaps, breaks, and loose components.		See Paragraph 5.3.2.1
	Exterior Accessories	Damaged or missing building numbers, exhaust fan vent caps, chimney caps, and other miscellaneous components and hardware shall be installed, repaired, or replaced.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.2 Cont.	**Stairs**	Damaged stairs, stairways, and fire escape stairs (including treads, risers, nosings, stringers, brackets, balustrades, handrails, and other components) shall be repaired or replaced.		See Paragraph 5.3.2.1
	Doors, Windows, and Screens	Doors, storm doors, windows, storm windows, and screens shall operate smoothly without binding or sticking in accordance with the manufacturer's design. Damaged or missing doors, windows, screens, and associated components shall be repaired or replaced. Caulking, glazing, and weather-stripping shall be fully intact to maintain a fully weather tight seal. Replacement glass shall be of the same size, type, and quality as the existing glass.		See Paragraph 5.3.2.1
	General Doors	Damaged, warped, swollen, and sagged doors shall be repaired/replaced with doors the same type and size. Exterior doors shall be removed and replaced the same work day. All replaced doors shall be installed with hardware from existing doors, if practicable. Cracked and broken glass in doors shall be replaced with the same quality, type, and size.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.2 Cont.	**Sliding Doors**	Damaged metal and wooden sliding doors and related hardware shall be repaired/replaced with doors and related hardware of the same type, size, and color.		See Paragraph 5.3.2.1
	Screens	Replacement screening shall be of the same material as the existing metallic screening. Small holes (less than 4 square inches) in screens may be repaired with a patch matching the existing screening.		See Paragraph 5.3.2.1
	Hardware	Damaged, inoperable, or missing hardware such as hinges, locks, striker plates, latches, keepers, window operating mechanisms, door closures, springs, etc. shall be adjusted, repaired, or replaced. Replacement hardware shall match existing hardware in type, size, quality, and finish and meet the Building Hardware Manufacturer's Association (BHMA) Product Standards. Hardware shall be installed in accordance with the manufacturer's recommendations.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.4.2 Cont.	**Overhead or Rolling Doors and Blast Doors**	Rails shall be checked for alignment. Rusted or corroded areas shall be repaired or replaced. All bearings, rollers, gears, and pulleys shall be properly lubricated. All hangers, bolts, springs, and pins shall be free of rust and corrosion and shall be tightly mounted and secured. Motors and controls shall operate properly and be properly lubricated. Cables and fusible links shall be correctly installed and free from corrosion and rust.		See Paragraph 5.3.2.1
5.3.6.4.3	**Accomplish CM for the Miscellaneous Structures**	Repair or replace damages to flagpoles, monuments, bleachers, and towers.	130 Structures	See Paragraph 5.3.2.1
		Repair or replace damaged fences & gates including, but are not limited to, the following: repairing holes in the chain link fence and wire cages; stringing barbed wire on top of the fence; replacing or resetting fence support stanchions; replacing or repairing hinges and locking devices; and removing rust and painting fences.		See Paragraph 5.3.2.1
		Repair sidewalks (5 feet beyond building) that have buckled more than 1 inch out of alignment. Repair so that they are structurally sound, in alignment, at original grade, and free of damage and cracks. Where roots have caused buckling, remove roots, and backfill.		See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.5	**Accomplish CM for EMCS**	Contractor shall perform all necessary CM for the EMCS System. This shall include CM for the Landis & Staefa System 600 Host as well as all associated field panels, wiring, and instrumentation.	See System Definition, Annex 5.1, Table 5.1-1.	Time constraints given in Table 5.3-1 or 10 days (whichever is less). Output as defined in System Definition Table 5.1-1 and in this Annex.
		CM activities shall not modify the general configuration or the functionality of the EMCS without Government Approval. **IMPORTANT:** Note that most field cabinets and instrumentation are directly associated with and required for the operation of equipment or systems identified as part of this contract. Where failure of EMCS field cabinets or instrumentation results in malfunctions or loss of availability for equipment or systems, Availability Losses or Malfunctions will be accrued against the affected equipment/systems until the equipment/systems are restored to normal operation. The allowed repair time for EMCS cabinets, instrumentation, and wiring does not relieve/reduce Contractor responsibility and liability for maintaining Availability of the controlled equipment/systems.		Repair damage, deterioration, and components to protect reliability Provide documentation per 5.3.3.8.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.5	**Continuation Accomplish CM for EMCS**	Where monitoring capability is lost, the Contractor shall be responsible for monitoring equipment to maintain reliability and protect against damage. Where equipment is operated in hand mode, the Contractor shall also start/stop equipment to maintain energy efficient operation.		
5.3.6.5.1	**Accomplish CM for EMCS Host**	Perform CM for the System Central Host to restore the system to fully functional and reliable condition, including the Central Processor, PC terminals, keyboards, monitors, printers, tape/disk drives, power protection devices, hardware, firmware, software, interconnecting wiring, and other appurtenances required to have a completely functional and maintainable host.	One Central Processor, 2 PC Terminals. See System Definition, Annex 5.1, Table 5.1-1.	Restore complete, functional, and reliable operation. Time constraints in Table 5.3-1 or 10 days (whichever is less).
5.3.6.5.2	**Accomplish CM for Programmable Field Cabinets.**	Perform CM for the field cabinets to restore fully functional and reliable condition, including MBCs, SCUs, UCs, wiring, uninterruptible power sources, and other appurtenances required to provide a complete, functional and reliable microprocessor based field control cabinet.	63 ea MBCs. 87 ea SCUs. 34 ea UCs.	Restore complete, functional, and reliable operation. Time constraints in Table 5.3-1 or 10 days (whichever is less).

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.5.3	**Accomplish CM for Instrumentation, Sensors, and Wiring.**	Perform CM for instrumentation, sensors, and wiring. It is important to note that most of these points are directly related to the operation and/or monitoring of systems and equipment. The 45 day requirement is the maximum allowed time for repair where points do not result in malfunctions or availability losses to an equipment item or system (e.g. points which only monitor Criticality Level III & lower equipment/conditions and do not actually perform a control function. When loss of an EMCS point results in malfunction or loss of availability of an equipment item or system, the repair time will be established by the equipment/system as defined in Annex 5.5.	Approximately 14,000 field points.	Restore complete functional and reliable operation. Respond and repair within time constraints established in Table 5.3-1 or 45 days (whichever is less).

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.6	**Accomplish CM for Elevators**	Provide CM for the passenger and freight, cable and hydraulic elevators, and dumbwaiters listed in the Inventory of Vertical Transportation Equipment List in Exhibit 5. Perform work necessary to determine the cause of system and equipment malfunctions, eliminate the cause(s), and restore the system or equipment to satisfactory working condition. All repair work and replacement parts shall satisfy the recommendations and requirements of ASME A17.1. Major repairs or modifications as defined by ASME A12.1 require recertification. PM including routine and periodic inspections/tests and recertification shall be accomplished under Annex 5.2.	Nothing Additional	See Paragraph 5.3.2.1
5.3.6.7	**Accomplish CM for Built in Cranes**	All repair work and replacement parts shall satisfy the recommendations and requirements of ASME B30.10 through B30.13, B30.15 through B30.17 “Safety Standards for Cableways, Cranes, Derricks, Hoists, Jacks and Slings.” Repairs or alterations to non-lifting, secondary lifting, or holding components such as suspension assemblies, electrical systems, crane cab, do not	Exhibit 1	See Paragraph 5.3.2.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.6.7	**Continuation Accomplish CM for Built in Cranes**	necessitate the need for a load test; although a functional check shall be performed to determine if the repairs or alterations are acceptable.		
5.3.6.8	**Accomplish CM for Propellant Truck Scales**	Perform CM to meet defined output, reliability, and availability and to preserve and protect equipment through life cycle	1	See paragraph 5.3.2.1
5.3.7	**Accomplish Trouble Call Work**	See description of trouble calls in General Information **5.3.1.5**		
5.3.7.1	**Receive Trouble Calls**	The Contractor's work control center will receive all trouble calls 24 hours per day, seven days a week, including weekends and holidays and classify each call. All telephone calls shall be answered within 30 seconds by an individual fully familiar with the Contractor's work control procedures and the terms and conditions of this contract. A description of the problem or requested work, date and time received, location, requestor's name organization and telephone number and other appropriate information will be placed on a Work Order and processed by the Contractor. The data will be entered into the CMMS by the Contractor daily.	Average of 7,500 Trouble Calls.	No instance of phone not being answered. No instance of work not being entered into MAXIMO.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.7.2	**Respond to & Work Trouble Calls**	The Contractor shall have procedures for picking up trouble call work authorizations from the Contractor's work control center during regular working hours, responding to emergency and routine trouble calls 24 hours per day, seven days a week, including weekends and holidays. A single local telephone number shall be provided by the Contractor for receipt of all trouble calls.	See Paragraph 5.3.7.1	See Paragraph 5.3.2.1
5.3.7.2.1	**Emergency Trouble Calls (Priority 1)**	Emergency trouble calls shall be responded to immediately and the Contractor must be on the job site and working within 30 minutes after receipt of an emergency trouble call during core hours. After core hours and when workers must be called in, response time is 2 hours.		No instance of non-response.
		The Contractor shall work continuously without interruption and shall arrest the emergency condition before departing the job site (e.g., shut off water, close a gas valve, temporarily patch a roof leak, etc.). If further labor and material (follow up work) are required to complete the repair, the emergency repair will be stabilized and accomplished in accordance with normal CM.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.7.2.2	**Routine Trouble Calls (Priority 2,3,4)**	Routine trouble calls are: a. minor facility problems that are too small to be estimated (usually less than about $2,000) b. generally responded to by grouping according to craft and location; c. do not reasonably require detailed job planning; d. and normally accomplished during regular working hours, Monday through Friday. All routine trouble calls shall be completed as specified in Table 5.3-1.		Respond to all routine trouble calls.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.7.2.3	**Trouble Calls for Lighting**	The Contractor shall respond to trouble calls for replacing burned out or blinking light bulbs and tubes between scheduled relamping services; and is a special class and is an exception to Table 5.3-1 response times. Relamping will be accomplished under Annex 5.7 Programmed Maintenance. Trouble calls for lighting in work areas shall be responded to within 2 days during regular working hours. Lighting outages in common use areas such as halls, restrooms, and lobbies that are not a safety problem may be scheduled with work area trouble calls. Lighting trouble call work includes cleaning of lens, lenses reflectors, and luminaries to obtain maximum light output.		Respond to all lighting trouble calls.
5.3.7.2.4	**Trouble Calls Beyond Scope of Routine Call**	When the Contractor receives/responds to a routine trouble call and believes that the work is beyond the scope of a trouble call, as defined above, the work shall be performed as normal CM.		Perform work either as trouble call or CM.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.3.7.2.5	**Completed Trouble Calls**	Within 1 working day after completion of each trouble, the Contractor shall notify the requestor of completion and add the following information to the CMMS and to the work authorization form: (See 5.4.7.11) a. Description of work actually completed. b. Brief description of material and parts used, including quantities. c. Date and time work began. d. Date and time work was completed. e. Validation of the Contractor's craftsman performing the work (or supervisor), indicating that the work has been completed.	Trouble Calls average 7,500	No instances of undocumented trouble call work.
5.3.8	**Accomplish CM for Installation-Accountable Government Property (IAGP)**	The Contractor shall plan, provide, and accomplish the repair of all IAGP as listed in J-10 List 1 and 2.	Nothing Additional	See Paragraph 5.3.2.1
5.3.8.1	**Accomplish CM for Special Purpose Mobile Equipment (SPME)**	All essential Special Purpose Mobile Equipment shall be repaired in accordance with industry standards.	See Exhibit 4	See Paragraph 5.3.2.1

Table 5.3-1

"Corrective Repair Times"

Priority ①	**Maximum Repair Time**
1. Emergency	Work Immediately ②
2. Urgent	1 Day
3. Priority	7 Days
4. Routine	90 Days Â
5. Discretionary	1 Year
6. Defer to BMAR *	Indefinite

<u>Notes:</u>

1. See Annex 5.1 for priority definitions.
2. Priority 1 work will begin immediately and continue without interruption and shall arrest the emergency condition before the Contractor departs the job site.

*The Contractor may submit routine (Priority 4) work to the CO for inclusion in the Backlog of Maintenance and Repair (BMAR). With CO concurrence, this work will be removed from CM and added to the BMAR.

5.4 OPERATIONS

5.4.1 General Information

5.4.1.1 Annex Description

This Annex identifies the day-to-day operation, standing, recurring, and miscellaneous services required for the Structures, Facilities, Utilities, Systems/Subsystems and Installation-Accountable Government Property (SFUSS & IAGP). Even though specific guidelines/requirements and minimum standards have been established, the services to be performed will rely heavily on knowledgeable, experienced individuals capable of safely and efficiently operating the SFUSS & IAGP. The Contractor is required to operate the SFUSS & IAGP, providing cost effective and energy efficient usage. Services addressed in this Annex include operator maintenance but do not include Corrective Maintenance (CM) or Preventive Maintenance (PM) services (See Annex 5.2 for PM and Annex 5.3 for CM).

5.4.1.2 Minimum Standards

Operation of systems, included in this Annex, shall include necessary skills and procedures, tools & equipment to facilitate SFUSS & IAGP operations, to provide intended functions, outputs, redundancy, and availability as defined in Annex 5.5.

5.4.1.3 Common Terms Used in this Annex

For additional terms and definitions, not listed here, see Annex 5.1.

Monitor and Inspect - These terms are used in conjunction with "operate" to delineate system activities other than actual operations which require periodic staffing. The Government requires that these activities would be accomplished by trained personnel with ability to recognize abnormal conditions and evidence of potential problems.

Recurring Work – Work which is performed under the contract which is not a part of the Scheduled Maintenance and Repair Program and is required an undetermined number of times during the year, but is required at least once. This work will be accomplished as required. An example is implementation of the Hurricane Plan which will be performed (partially) once per year at the start of hurricane season with the resumption and completion of the plan carried out dependent on the number of storms which threaten the Gulf Coast.

Staff and Operate - This term is used for systems that require continuous staffing during the operational period. Personnel may also operate other systems within the immediate vicinity.

Standard Operating Procedure (SOP) - This is a standing procedure that provides step-by-step instructions to operate systems. It is used for activities that commonly occur. The SOP requires Contracting Officer (CO) review and shall be

maintained in electronic format easily accessible to the Government. Documents shall become Government property and shall be stored at CEF. (See DR 5-GA09)

Standing Work – Work which is performed under the contract which is not a part of the Scheduled Maintenance and Repair Program and is required a pre-determined number of times during the year. The schedule can be specifically called out as in, once per hour or may be left to the Contractor, as in, once annually. An example is meter reading which always occurs once per month.

Operate - This term is used for systems that require periodic operational activities but not continuous staffing. Personnel may be available for other contract activities. Operations include the first hour of trouble-shooting/investigation of a malfunction or availability loss (See Table 5.5-2 for response time), and also includes operational support for planned outages required for Utility PM's.

Utility Process Plan (UPP) - This is a one time per operation. Contractor generated, document that provides step-by-step instructions that establish responsibility and control system configuration changes. It provides details such as lockout/tag-out, switch operation, valve operation, coordination, etc. Documents shall become Government property. (See DR 5-FA05)

5.4.1.4 Operations Guidelines for this Annex

The Contractor shall provide personnel with qualifications, technical knowledge, and skills required to manage, supervise, operate, and maintain the SSC SFUSS & IAGP. Major configuration changes or changes which place the SFUSS & IAGP in an abnormal configuration shall be accomplished with a UPP. If the change is accomplished with a SOP, then the UPP is not required. Operational inspections/logging require a check sheet to document time/date, items inspected, conditions found, actions takes, and identification of inspector. All operations shall be performed by trained/certified personnel. The SFUSS & IAGP located in test areas and secure resident agency areas require special access requirements. These requirements limit access to individuals who have a need to be in these areas, and are aware of restrictions and notification requirements for activities within these areas (See SOI 8080-0040 & SOI 8080-0029).

5.4.1.5 Operations Plan

The Contractor shall prepare an Operations Plan for all SFUSS and IAGP covered under this Annex. The Plan shall provide details as to how the Contractor intends to perform work necessary to meet all requirements for Operations under this Annex, including operations required to meet Availability as defined in Annex 5.5. This plan shall also address how the Contractor intends to meet personnel requirements, including certifications, training, etc. Where operations require specific skills and/or certification, the Contractor shall submit planned

methods for addressing attrition or other necessary contingency planning. DR 5-GA10 Plan shall be submitted for CO approval within 60 days from contract start, and be updated annually.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2	**Personnel Requirements**	**See Annex 1 and information below.**	Nothing Additional	Current certifications or evidence of experience is on hand for individuals performing services.
5.4.2.1	**Electrical Personnel**			
5.4.2.1.1	**Provide Lineman/Linemen to perform operations and services on the 13.8 kV High Voltage System**	Each lineman shall have satisfactorily completed an initial apprenticeship-training program for overhead and underground systems with annual re-certification as per OSHA Regulation Standard 29 CFR 1910.269 Electric Power Generation, Transmission and Distribution and ANSI C2 National Electrical Safety Code**.** An acceptable apprentice-ship training program shall be similar to that of Mississippi Power Company (MPCo) with a term of 4 to 5 years and shall ensure that the candidate acquires and demonstrates proficiency in the safe work practices involved in high voltage overhead and underground systems.	Contractor Determined	Be able to show compliance with training and knowledge requirements for individuals working on high voltage power systems.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.1.2	**Provide High Voltage System Engineer/Manager with the Qualifications, Technical Knowledge, Demonstrated Experience and Skills Required to Efficiently Manage, Supervise, Operate and Maintain the SSC 13.8 kV Electrical System**	The electrical engineer/manager shall have successfully completed a 4-year electrical Engineering Bachelor's degree and have at least 6 years experience in high voltage system operations in distribution systems similar or larger in size and type as those at SSC. Specific experience shall include design and cost estimating; knowledge and ability to generate and modify electrical and geographical system utility maps, one-line drawings, and shop drawings; perform trouble shooting and repair; system load and fault current analysis; relay coordination; tests and measurement; system operation and switching; operation of centrally located back-up generators; and management of R.O.W. re-clearing.	Contractor determined to support Performance Requirement	Current degrees, certifications and experience history shall be on file for Government review.
5.4.2.2	**Potable Water**			
5.4.2.2.1	**Provide Potable Water System Certified Operator**	Operator shall be certified by the State of Mississippi (Mississippi State Department of Health per MS Code of 1972; 41-26-5 and 41-26-14) for drinking water system operation. Operator shall be trained and experience in operations of potable water system. The systems shall be operated in a manner to ensure compliance with permit requirements for each potable water well.	Contractor Determined minimum of one on staff at all times.	Show compliance with certification and operating knowledge required to maintain potable water system within requirements of this contract.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.2.2	**Provide Potable Water System Technician**	Technician shall be trained and experience in operations of potable water system.	Contractor Determined Minimum of 1 on staff at all times.	Show operating knowledge required to maintain potable water system within requirements of this contract.
5.4.2.3	**Sanitary Sewage**			
5.4.2.3.1	**Provide Sewage Treatment System Certified Operator**	Operator shall be certified by the State of Mississippi (Mississippi Department of Environmental Quality) to operate Sewage Treatment Systems. Operator shall be trained and experienced in operations of the wetland type lagoons and rock-reed systems.	Contractor Determined Minimum of 1 on staff at all times.	Show compliance with certification and operating knowledge required to maintain effluent water quality within requirements of this contract.
5.4.2.3.2	**Provide Sewage Treatment System Technician**	Technician shall be trained and experienced in operations of the wetland type lagoons/rock -reed systems.	Contractor Determined Minimum of 1 on staff at all times.	Show operating knowledge required to maintain effluent water quality within requirements of this contract.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.4	**EMCS**			
5.4.2.4.1	**Provide EMCS System Operators**	Shall demonstrate practical working knowledge of industrial HVAC systems and other related industrial utility systems.	Contractor Determined. Minimum of one operator continuously.	Provide staff per plan **(DR 5-GA10).**
		Operators shall also demonstrate site-specific knowledge and training required prioritizing EMCS activities, notifications, and callouts, and performing other real-time management decisions. Operators shall possess an understanding of the facility service organization structure and system; failure response procedures; and implementation practices for both working and non-working hours. Operators shall demonstrate the ability to utilize information collected through site resident agencies/customers, control system feedback, and field technicians to make sound decisions. Utilities Operations Plan costed under Annex 5.4.1.5 (DR 5-GA10**)** shall address specific procedures/methods used to achieve EMCS operator qualifications as well as ensure that EMCS related SSC site specific operational requirements are continuously met.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.4.2	**Provide EMCS System Chief Operator**	Chief Operator shall possess same technical qualifications as Operators; additional requirements shall be as follows. 3 years (minimum) as an EMCS operator; Supervisory experience, training or equivalent; 5 years (minimum) in engineering technology field or equivalent practical working knowledge of industrial HVAC, automation, or remote utility control systems.	Contractor Determined. Minimum of 1.	Demonstrate knowledge of EMCS and SSC site specific operational requirements.
5.4.2.5	**Establish, Maintain and Document a Certification Program for Equipment Operators**	The Contractor shall establish, maintain, and document a certification program for operators of built-in cranes, monorails, hoists, and Special Purpose Mobile Equipment (SPME). The certification shall be based on successfully completed classroom instruction and testing, and hands on training and demonstrated proficiency. Training shall be provided by an independent third-party training Contractor. The certification program shall meet NASA-STD-8719.9 and SSC SWI-8834-0001(latest edition), OSHA requirements and receive CO approval.	One operator certification program.	The program shall meet NASA-STD-8719.9 and SSC SWI 8834-0001 (latest edition) and OSHA requirements. All documentation concerning certification, including evidence of operator certification, shall be maintained by the Contractor and be available for NASA review.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.5.1	**Provide Licensed Operators for Built-in Cranes, Monorails, and Hoists**	A certification from the above certification program **(5.4.2.5)** is required for operating both critical and non-critical lifting equipment. The inventory referenced in the work load data column gives the responsible operator for each lifting device. The Contractor shall provide certificated operators for the equipment where he is listed as the responsible operator.	See Exhibit 1, Inventory of built-in cranes, monorails, and hoists. In the FOS contract certification of non-Contractor personnel will be provided upon request.	Only certificated operators will operate the lifting equipment for which the Contractor is shown as the responsible operator. No instance of non-certificated operators operating the lifting equipment for which the Contractor is shown as the responsible operator.
5.4.2.5.2	**Provided Certificated Operators for Special Purpose Mobile Equipment (SPME)**	A certification from the above certification program **(5.4.2.5)** is required for operating both critical and non-critical SPME.		No instance of SPME being operated by non-certificated operators.
5.4.2.5.3	**Provide a Lifting Devices and Equipment (LDE) Manager and Safety Specialist**	The LDE Manager and Safety Specialist shall be responsible for ensuring the LDE program remains in compliance with NASA-STD-8719.9 and SSC SWI-8834-0001.	Contractor Determined	
5.4.2.6	**HVAC**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.6	**Provide Air-Conditioning & Refrigeration Technicians**	All Personnel performing installation, maintenance, or repairs that might reasonably have the opportunity to release refrigerant into the atmosphere shall be certified per EPA regulations.	Contractor Determined	Contractor shall maintain records & evidence of certification available for Government review upon request
5.4.2.7	**Nondestructive Evaluation Personnel (NDE)**			
5.4.2.7.1	**Lead Technician/Supervisor**	Must have current Level 1 NDE Certification in accordance with Recommended Practice No. SNT-TC-1A (latest edition) as recommended by The American Society for Nondestructive Testing, Inc. At least two years experience in reading film including interpretation of results from high energy cobalt used in NDE of wall thickness in excess of 4 inches.	Minimum of 1on staff at all times.	Current certificate and evidence of experience on file.
5.4.2.7.2	**Technicians**	Must have 1 year or greater experience in setting up and taking radiographs of thick walled pressure vessels and piping. Level III Certification required.	Contractor Determined	Current Certificate and evidence of experience on file.
5.4.2.8	**Marine Operations**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.8.1	**Tugboat Captain**	Must have current U.S. Coast Guard approved certification for inland Waterways of the United States for Uninspected Towing Vessels (Minimum Requirement) with Radar Endorsement.	Contractor Determined	Current certification
5.4.2.8.2	**Tug Pilot**	Must have current U.S. Coast Guard approved certification for inland Waterways of the United States for Uninspected Towing Vessels (Minimum Requirement) with Radar Endorsement.	Contractor Determined	Current certification
5.4.2.8.3	**Marine Maintenance**	At least 2 years experience in the maintenance of marine vessels and equipment.	Contractor Determined	Certification
5.4.2.8.4	**All Operating Personnel**	Able to pass annual physical examination for confined space entry and CPR certification training. Captain and Pilots require 5 year physical to renew certification. Marine personnel are governed by the JONES ACT.	Contractor Determined	Certification

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.2.9	**Provide Energy Engineer with the qualifications, technical knowledge, experience and skills required to manage and supervise SSC energy programs.**	The Energy Engineer shall have successfully completed a 4-year Engineering Bachelor's degree in any Engineering discipline. The Energy Engineer will be responsible for maintaining, improving, and optimizing existing SSC energy plans and establishing an energy management program to ensure compliance with federal, agency, and center mandates	Contractor determined to support performance requirements.	Engineering degree shall be on file for Government review.
5.4.2.10	**Provide Pressure Systems Engineer and Pressure Systems Administrator with the technical qualifications and experience necessary to maintain the pressure systems program**	The Pressure Systems Engineer and Administrator shall have successfully completed a 4-year Engineering Bachelor's degree in any Engineering discipline. They will be responsible for maintaining, improving, and optimizing existing SSC pressure systems in accordance with NASA-NPD-8710.5 and NASA-NPR-8715.3.	Contractor Determined	
5.4.3	**Utility Distribution**			
5.4.3.1	**Electrical 13.8 kV System**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.1.1	**Operations**	The current system configurations and operations have been established by the Government based on Mississippi Power Company (MPCo) requirements, customer needs, and the availability of equipment. System definitions and descriptions are provided in Table 5.1-1. Complete drawings of the systems are available in the SSC Central Engineering Files (CEF). The Contractor shall be responsible for ensuring proper operation of the systems.	Operator maintenance by linemen is limited to replacement of fuses or resetting of switches and/or circuit breakers.	Linemen shall be attentive to potential problems and initiate any required corrective action in a timely manner.
		All operations on the 13.8 kV Electrical System require 2 qualified linemen during normal duty hours, per OSHA Standard Work Practices as per **29 CFR 1910** series. Operational performance is required in addition to any operator maintenance in an effort to preserve the integrity of the equipment.		

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.1.1.1	**Operate the MPCo/SSC 13.8 kV Main Substation**	Operations within the 13.8 kV main substation are limited to switch operation for maintenance, NASA/SSC construction support, and as requested by MPCo for service access or isolation. All operations require coordination with the MPCo control center as well as the SSC EMCS control center. Per the MPCo/NASA Operating Procedure**,** all operations shall be executed via radio-phone with MPCo's control center. Within 30 minutes after any switching activity, mark-up the Electrical Utility one line drawing to indicate present configuration.	The primary workload is determined by the amount of maintenance/construction activity. Unit: Daily workdays	Linemen available at SSC for scheduled switching operations. Linemen available within 1 hour for non-scheduled switching or problem investigation. Operate the system to achieve the availability requirements and operational hours as designated in Annex 5.2.
5.4.3.1.1.2	**Monitor and Inspect the MPCo/SSC 13.8 kV Main Substation**	Inspect all 13.8 kV buswork to the high side of each transformer including all components listed in Table 5.1-1**,** "Site Electrical 13.8 kV Main Substation", for visual damage and abnormal conditions. Notify MPCo via radio-phone immediately of any abnormal condition.	1 Substation Unit: Daily workday. Inspection shall be ground level with system energized.	Inspect entire system no less than once each work day by personnel qualified to operate the system.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.1.1.3	**Operate the SSC 13.8 Kv Distribution System**	Operations on the 13.8 Kv Distribution System entail switch and circuit breaker operation for maintenance support, construction support, isolation of faults, and redistribution of loads. All switch and breaker shall be executed via 2-way radio communications with the EMCS Control Center. Within 30 minutes after any switching activity, mark-up the Electrical Utility one line drawing to indicate present configuration. Operate the Site 13.8 Kv Distribution System in accordance with SOP's for maintenance support and UPP's for construction support. Prior to operating switches, check for evidence of tampering or damage. During operations of switches, observe for signs of arcing.	Primary workload is determined by the amount of maintenance or construction activity. Unit: Daily workdays	Linemen available at SSC for scheduled switching. Linemen available within 1 hour for non-scheduled switching or problem investigation. Operate the system to achieve the availability requirements and operational hours as designated in **Annex 5.2**.
5.4.3.1.1.4	**Monitor and Inspect the SSC 13.8 Kv Distribution System**	Beginning at the load side of each 13.8 Kv 2000A vacuum Breaker in the MPCo/NASA Main Substation to each facility main disconnecting means as listed in Table 5.1-1: "Site 13.8 Kv Electrical Distribution System." Inspect all switches and overhead line components for visual damage or abnormal conditions.	Inspection shall be ground level with system energized. Unit: Daily workdays	Inspections shall be conducted by personnel qualified to operate the system. Initiate corrective action for all abnormal conditions in a timely manner

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.1.1.5	**Operate the Area Lighting Systems**	These systems are operated by a combination of photo cells and timers, and have up to 10 different types of luminaries.	621 lights	Monitor the systems, and initiate corrective action for all abnormal conditions in a timely manner to obtain availability.
5.4.3.1.1.6	**Operate 13.8 Kv Facility Switches**	Operations on the 13.8 Kv facility switches entail switch operation for maintenance/ construction support, isolation of faults, and redistribution of loads. All switch operations are executed via 2 way radio communications and recorded in the EMCS Control Center. Within 30 minutes after any switching activity update the one line diagram to indicate present configuration. Operate the 13.8 Kv Facility switches in accordance with SOPs, and UPP's. Prior to operation of facility switches, inspect enclosures for evidence of tampering or damage. During operations observe switch contacts for arcing.	Primary workload is for maintenance and construction support. Minimum redistribution of loads once annually. Refer to Table 5.1-1 for description and components of "13.8 Kv Switching Facilities." Unit: Daily workdays	Linemen available at SSC for scheduled switching. Linemen available within 1 hour for non-scheduled switching or problem investigation. Operate the system to achieve the availability requirements and operational hours as designated in Annex 5.2
5.4.3.1.2	**Standing Work**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.1.2.1	**Read and Record main Substation**	Document the kilowatt-hour (kWh), voltage and current readings at the main substation. All readings must be taken and date recorded on the last workday of each month.	Unit: 8 meters Monthly	Accurately read meters and record data on the last workday of each month.
5.4.3.1.2.2	**Read and Record Kilowatt-Hour (kWh) Meters at all Locations on the Site 13.8 Kv Electrical Distribution System**	Document the electrical loads on all metered facility electrical systems at SSC. All readings must be taken and data recorded on the last two workdays of each month or the last workday of the month and the first workday of the new month if these days are separated by a weekend. This data shall provide input for DR 5-GA18**.**	Unit: 172 meters Monthly	Accurately read kWh meters and record data on the last workday of each month.
5.4.3.1.2.3	**Read and Record Run Time on Installed Generators**	Document run time and provide input for DR 2-GA13 under Annex 2.2.	7 generators at Buildings: 1100, 1110, 1201, 2201, 2204, 3203, and 3206. Unit: Monthly	Initiate reporting of corrective action for all abnormal conditions, in a timely manner.
5.4.3.1.2.4	**Maintain High Voltage Switching Documentation Map**	Maintain Site HV System Configuration which is the Reference Document for High Voltage Switching that identifies response to power losses in buildings switches, feeders, and transformers. To be used in the planning of outages or restoration procedures.	Unit: Daily workday	Provide marked-up map to CEF quarterly

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.1.2.5	**Control Access to Main Substation, Building 4400 Substation, and Cryogenic Transfer Deluge Substation**	Fenced area is controlled access. Operations personnel are responsible for controlling access and securing area when they are not present.	3 Substations Unit: Continuous	Verify personnel are logged into fenced area (Main Substation only) and that gates are kept locked (all areas).
5.4.3.1.3	**Recurring Work**			
5.4.3.1.3.1	**Update/Maintain Electrical Power System & SOPs (DR 5-GA09)**	All activities, which can impact the reliability of the electrical power supply, shall have a SOP developed or upgraded. The CO approved SOPs shall be electronically maintained with Government access. System documentation shall be maintained as required by configuration changes. (See DR 5-GA09)	Update annually or as equipment or operational changes are made. Unit: Yearly	Maintain system SOPs and equipment documentation to be available for review by CO.
5.4.3.1.3.2	**Provide Marked-Up Utility Drawings for Mission Support**	Provide marked-up master utility drawings showing system and switch configuration. A set of drawings shall be delivered to CEF.	Unit: Quarterly 4 Drawings per Year	Provide marked-up drawings quarterly, to CEF.
5.4.3.1.3.3	**Locate, Identify, and Mark Electrical Utility Systems Upon Request**	This work is required through SSC 99-015 Site Wide Digging Permit. The Contractor shall mark electrical utilities within 3 workdays of the request. Utilities shall be marked using colored flags and paint as specified by the Government.	Unit: 26 per Year	Physically mark the affected utility within 3 days of request.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.1.3.4	**Provide Operational Support During Adverse Weather Conditions**	Monitor ambient temperatures and provide operations support as required in the SSC Freeze Conditions Plan to implement the plan and to monitor and inspect equipment as needed to preclude damage. Operational performance is requires in addition to any operator maintenance in an effort to preserve the integrity of the equipment.	Unit: 40 occurrences per year	Linemen shall be attentive to potential problems and initiate corrective action for all abnormal conditions, in a timely manner.
5.4.3.1.3.5	**Provide Support to Maintain Right-of-Way (R.O.W.) Clearance for Overhead Power lines**	Consistently manage and document plans and progress related to a 5-year plan for the removal of tree branch growth into the R.O.W. Bring one fifth of the distribution system into compliance with the minimum standards each year with emphasis on feeder circuits and those areas most in need of clearance	Unit: 151,350 LF 18,500 LF	13.8 Kv Single circuit: 15 ft. either side of centerline 13.8 Kv Dual Circuit: 30 ft. either side of centerline
5.4.3.1.3.6	**Pump Out Electrical Manholes**	Provide operational support for maintenance and operation requirements.	Unit: 10 occurrences per year	Maintain water level no higher than top of sump in base of manhole.
5.4.3.2	**Potable Water System**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.2.1	**Continuation Operations**	The potable water system shall be operated to ensure a continuous supply of water is provided at all times. The system is used to operate drinking, sanitation, and fire protection systems. See Table 5.1-1 for a description of the system. Further detailed information is given in the SSC Utility RCM Analysis manual for Potable water**.** The Contractor shall be responsible for ensuring proper and efficient operation of the system while continually monitoring and evaluating the system configuration and operations, making recommendations for improvements to the CO. System performance shall comply with requirements of the Mississippi Department of Environmental Quality. The system shall be kept under the direct supervision of qualified personnel who are kept knowledgeable and capable of performing all operations and associated work. Operators shall have and maintain the certification required by the State of Mississippi.	Typical daily water usage during regular workdays is approximately 310,000 gallons. System output requirements are given in Table 5.1-1.	Potable Water System operations do not require continuous coverage but do require operator support to meet availability requirements **(See Annex 5.5)**

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5.4.3.2.1.1	**Operate SSC Water Treatment System to Maintain Water Quality**	Operate the water treatment system in accordance with SSC OI 42-54-001 (Operating Instruction for Potable Water System Well House). Operate the system to achieve the availability requirements as designated in Annex 5.5, Table 5.5-2, and the operational hours as designated in the Building Operating Hours Summary. Operate the water treatment system to maintain the output as stated in Table 5.1-1. The Contractor shall operate, inspect and monitor the chemical treatment equipment. The Contractor shall purchase all chemicals associated with water treatment and field test for chlorine content. Chemicals used shall be equivalent in salient characteristics to those for which the facility was designed.	24-hour a day controlled treatment of chlorine. Provide chemicals on a continual basis to treat all flow conditions. Field test chlorine content daily at the active pump houses and weekly at a remote point approximately ¼ to ½ mile from the pump house.	Monitor system as needed for continuous control. Water quality shall meet Mississippi Department of Health standards.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.2.1.2	**Operate SSC Water Storage System to Maintain Water Quantity**	Operate the system to achieve the availability requirements as designated in Annex 5.5, Table 5.5-2, and the Operational Hours as designated in the Building Operating Hours Summary. Operate the water treatment system to maintain the output as stated in Table 5.1-1. Maintain levels in elevated tanks to achieve the pressures required in Table 5.1-1.	Continuous Operation. The storage system consists of three elevated tanks. Tanks 1 & 2 each have a capacity of 300,000 gallons. Tank 3 has a capacity of 250,000. There is a 10,000-gallon ground level pressure tank at Well No. 3 in down mode.	Monitor system as needed for continuous control. Elevated storage tanks shall be monitored for high/low alarm. Respond to alarms within 30 minutes during core hours, and within 2 hours during non-core hours.
5.4.3.2.1.3	**Operate SSC Water Wells and Pumping System to Maintain Water Generation and Water Pressure**	Operate the system to achieve the availability requirements as designated in Annex 5.5, Table 5.5-2, and the operational hours as designated in the Building Operating Hours Summary. Operate the water treatment system to maintain the output as stated in Table 5.1-1. Maintain the operability of the 3 water wells and their associated pumps.	Monitor system as needed for continuous control. Wells 1 & 2 are active and each has a 500 gpm, 30 hp electric driven pump. Well 3 is stand-by and has two 750 gpm, 40 hp electric driven pumps. The No. 3 elevated tank pump house has two 15 hp electric driven pumps	Monitor system as needed for continuous control. Operate each pump monthly.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.2.1.4	**Operate SSC Water Distribution System**	The Potable Water Distribution System begins at the point of pump discharge and ends at a point 5 feet outside the facility, which it serves. See Table 5.1-1 for system definition. It shall be operated to ensure a continuous supply of water is provided at all times to all facilities and use points. The Distribution Piping Systems provides water to facilities and Fire Protection Systems. The Distribution System is designed with a series of loops and valves to minimize outages in the event of line failures or repairs. The Contractor is expected to take advantage of this design to maintain availability Fire hydrants are located on lines throughout the system for flushing and fire protection. Flushing of the lines is necessary to maintain site water quality and to maintain the chlorine residual required by the Mississippi Department of Health. Operate the system to achieve the availability requirements as designated in Annex 5.5, Table 5.5-2, and the operational hours as designated in the Building Operating Hours Summary. Operate the water treatment system to maintain the output as stated in Table 5.1-1.	Approximately 16 miles of piping distribution system. Piping materials are cast iron, plastic, or Transite and ranges in size from 14” to 2”.	Water Distribution System Operation does not require continuous coverage but does require operator support to meet availability requirements (See Annex 5.5). Operators shall maintain the certification required by the State of Mississippi. The system shall be kept under the supervision of a certified operator per the regulations. Maintain Mississippi Department of Health required chlorine residual as a minimum

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.2.1.4	**Continuation Operate SSC Water Distribution System**	The Contractor shall monitor, inspect and operate the water distribution system to maintain the quality of the water, to maintain the functionality of the distribution system and to initiate corrective actions to maintain the output as stated in **Table 5.1-1**. Water distribution outages shall be supported. Flushing shall be required in areas, which experience deterioration of water quality noted through bacteriological sampling or physical discoloration due to outages or to correct customer complaints. All flushing shall be done per an SOP in a controlled manner to minimize impacts of pressure fluctuation in the system.		
5.4.3.2.2	**Standing Work**			
5.4.3.2.2.1	**Read and Record Water Meters**	A flow meter is installed in each pump house. Read and record water meters at active pumps daily to monitor total gallons pumped.	2 meters each workday.	Records available continuously.
5.4.3.2.2.2	**Maintain a Daily Log of Operator Activities**	The Log shall include the kinds and quantities of chemicals used, feed rates, dosages, and water quality field tests conducted. The log shall include the status and length of outages and all other pertinent information.	One log, update daily.	Log available continuously.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.2.3	**Recurring Work**			
5.4.3.2.3.1	**Update/Develop/Maintain Potable Water System Operation Manuals and SOPs (See DR 5-GA09)**	Potable water system documentation shall be maintained and updated as required**.** (See DR 5-GA09)	One annual revision.	Develop or revise and obtain CO concurrence on documentation within 90 days of contract start date.
5.4.3.2.3.2	**Change Out Chlorine Tanks**	Check chlorine tanks and replace as necessary. When changing cylinders verify product in cylinder prior to connecting to service.	2 active wells, 1 inactive well.	No instance of empty chlorine cylinders.
5.4.3.2.3.3	**Support Freeze Plan**	Monitor ambient temperatures and provide operations support as required in the **S**SC Freeze Plan (Annex L of the SSC Disaster Preparedness Plan) to implement the plan, and to monitor and inspect equipment as needed to preclude freeze damage.	2 occurrences per year.	No instances of non-support.
5.4.3.3	**Sanitary Sewage Systems**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.1	**Operations**	The Sewage Collection Systems shall be operated to ensure continuous collection, pumping and removal of wastewater is provided at all times. Treatment System shall be operated to ensure that effluent water quality meets all applicable state regulations and permit requirements, without disruption of wastewater flow from any facility during occupied periods. The Sanitary Sewage Systems consists of Primary Collection Systems, Lagoon/Treatment Systems, Rock-Reed Systems, and Septic Tank/Field Drain Systems. See SSC Utility RCM Manuals and Table 5.1-1 for sketches and technical descriptions.		
5.4.3.3.1.1	**Operate, Monitor, and Inspect the Sanitary Sewage Collection Systems**	Operate the Sanitary Sewage Collection Systems to achieve the availability requirements and operational hours as designated in **Annex 5.5**, and to achieve output as stated in Table 5.1-1. Operate the Collection Systems in accordance with applicable O&M Manuals, SOP's and UPP's. Operations for Slide Mounted Pump Type Lift Stations shall include the following (These requirements are weekly (W) for criticality levels I, II, and III, and monthly (M) for criticality IV &V):	Two collection systems consist of 47 Lift Stations, approximately 76,800 linear feet of forced main, and approximately 29,850 linear feet of gravity main. Separate collection system in B-1105.	Maintain continuous availability for sewage pumping and transport from any facility (during occupied periods) to the treatment system.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.1.1	**Continuation** **Operate, Monitor, and Inspect the Sanitary Sewage Collection Systems**	1 Check and insure that "WATER IN LUBRICANT" light is off. 2 Trip primary effluent limit switch and verify system operation. 3 Trip backup effluent limit switch and verify system operation. 4 Check alternator circuitry by tripping primary limit switch twice and verifying alternate pump operation. 5 Trip alarm limit switch and observe alarm light is on.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.1.1	**Continuation** **Operate, Monitor, and Inspect the Sanitary Sewage Collection Systems**	Weekly (W) operations for Secure Mounted pump Type Lift Stations shall include the following: 1. Check operation of Lift Station ventilator and lights by opening access cover and verifying operation. 2. Verify air is flowing in air bubbler systems, check flow meter, regulator and level gauge.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.1.2	**Operate, Monitor, and Inspect the Sanitary Sewage Treatment Lagoon Systems**	Operate the Sanitary Sewage Treatment Systems to achieve the availability requirements as designated in Annex 5.5, and to achieve output as stated in Table 5.1-1. Operate system equipment in accordance with applicable O&M Manuals, SOP's and UPP's. Operations shall include activities such as: 1. Clean debris and other materials from scupper. 2. Clean UV light bulbs of contaminant buildup, verify proper operation, and replacement of bulbs as required. 3. Verifying proper lagoon and marsh levels. 4. Verifying proper instrumentation operation. 5. Maintain/Replenish vegetation life within the lagoon and marsh. 6. Addition and mixing of environmentally approved chemicals and compounds as required. 7. Inspect and initiate any necessary corrective actions on berms and levees to prevent erosion or leaks.	Effluent for Lagoon #1 is approximately 210,000 GPD, Lagoon #2 is approximately 90,000 GPD.	Maintain treatment capability for all sanitary sewage, without interruption to facility sanitary sewage discharge. All effluent shall comply with state regulations and permit requirements.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.1.3	**Operate, Monitor, and Inspect the Sanitary Sewage Rock-Reed Systems**	Initiate any necessary activities to control wildlife or rodents. Operate the Sanitary Sewage Treatment Systems to achieve the availability output as stated in Table 5.1-1. Operate system equipment in accordance with applicable O&M Manuals, SOPs, and UPPs. Operations shall include: 1. Clean debris and other materials from rock/reed and discharge area. 2. Clean UV light bulbs of contaminant buildup; verify proper operation, and replacement of bulbs as required. 3. Maintain/Replenish vegetation life. 4. Addition and mixing of environmentally approved chemicals and compounds as required. 5. Inspect and initiate any necessary corrective actions on berms and levies to prevent erosion or leaks.	1 ea. Systems. Rock-Reed systems treat less than 3,000 GPD.	Maintain treatment capability for all sanitary sewage, without interruption to facility sanitary sewage discharge. All effluent shall comply with state regulations and requirements.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.1.4	**Operate, Monitor, and Inspect the Sanitary Sewage Septic Tank/Field Drain Systems**	Operate the Sanitary Sewage Treatment Systems to achieve the availability requirements as designated in Annex 5.5, and to achieve output as stated in Table 5.1-1. Add environmentally approved chemicals and compounds as required.	Three septic tank/field drain systems shall be operated: less than 3,000 GPD treatment.	Maintain treatment capability for all sanitary sewage, without interruption to facility sanitary sewage discharge.
5.4.3.3.1.5	**Notify Government of any Excursions from State permits, Regulations and Requirements**	Contractor shall provide notifications to the Government in accordance with Annex 2.0.	Report per occurrence.	Reports shall be maintained on record and available for Government review upon request.
5.4.3.3.2	**Standing Work**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.2.1	**Maintain a Daily Log of Operator Activities**	The log shall include the following information: Listing of any abnormal conditions, concerns, systems malfunctions or failures, or other pertinent data related to systems operations and inspections. Any corrective actions initiated or completed on systems. Status of systems configurations. Scheduled outages.	Log in accordance with contractor developed procedures	Log shall be accurate and current, and shall be available for Government review upon request.
5.4.3.3.2.2	**Maintain Statistical Data**	Trend and maintain accurate records of the following influent and effluent flow rates for lagoon systems: 1. Peak Flow Rate during month, Gallons per Hour (GPH). 2. Peak Daily Average during month, Gallons per Day (GPD). 3. Monthly daily average (GPD). 4. Annualized daily average (GPD).	Update monthly.	Records shall be accurate and current, and shall be available for Government review upon request.
5.4.3.3.3	**Recurring Work**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.3.3.1	**Update/Develop/Maintain Sanitary Sewage System Operation Manuals and SOP's (See DR 5-GA09)**	Documentation shall be updated and maintained as required for the operation and maintenance of the treatment systems: Lagoon Systems, Rock-Reed Systems, and Septic Tank/Field Drain Systems (See DR 5-GA09)	One annual revision.	Develop or revise and obtain CO review within 90 days of contract start date.
5.4.3.3.3.2	**Pump Out Oil/Water Separator**	Pump out and dispose of waste.	One oil/water separator located outside Building 2105 and 4400. (Historically 2 times annually)	Pump out as necessary to ensure tanks do not exceed 80% capacity; however, no less than annually.
5.4.3.3.3.3	**Pump Out Grease Traps**	Pump out and dispose of waste.	One grease trap located at Building 1100. (Historically 2 times annually)	Pump out as necessary to ensure traps are clean and functional.
5.4.3.4	**Energy Management and Control System**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1	**Operations**	The EMCS Operations Control Center consists of the EMCS, the Fuel Management Monitoring System and the Main Substation Monitoring System as defined in Table 5.1-1. These systems are consolidated into a single operations room, which shall be staffed and operated continuously. The Control Center is established to monitor and control parameters of various utilities, systems, and equipment. By this function, the Center acts as an effective method for controlling energy consumption, operations and maintenance. Because of the broad visibility of site systems at the Center, operators act as a central focal point for the real-time operation and management of utilities, systems, and equipment.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.1	**Staff and Operate the EMCS Central Console Station**	Staff and operate the EMCS Central Console Station, consisting of the EMCS, the Fuel Management Monitoring System and the Main Substation Monitoring System. Operation shall be in accordance with applicable SOPs, O&M Manuals, and as listed below: a. Monitor ambient temperatures and weather conditions and provide operational support and notifications as required to support site operations. b. Coordinate and track site outages (Planned and Unplanned) for maintenance and construction and provide notification to site users and Facility Managers. c. Receive and log user complaints for utilities and facility systems malfunctions, interruptions or failures. Initiate investigation and work orders for problems, as required, and log significant site activities and problems. d. Answer phone inquiries.	EMCS Systems: 1-work station operating 24/7, with 1 additional work station operating during core hours.	The system shall be staffed continuously be personnel who are knowledgeable of site specific operations and missions and are trained to operate EMCS hardware and software (including other systems at the EMCS Central Console Station).

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.1	**Continuation** **Staff and Operate the EMCS Central Console Station**	e. Implement EMCS control system set-point and algorithm adjustments as required to maintain site operations and maintain energy conservation. f. Monitor and respond to alarm conditions. Initiate work orders as required to initiate investigation or repairs. g. Report significant breakdowns, malfunctions and reliability concerns to the CO. h. Maintain audible system alarm records. i. Analyze and adjust operating parameters to resolve field positions. j. Provide operational data, analyze and adjust operating parameters in response to Site Emergency Management requests. k. Input data to EMCS reports, operating instructions, support programs and databases.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.1	**Continuation** **Staff and Operate the EMCS Central Console Station**	l. Input after-hours notifications and callouts in response to site problems or systems failures (e.g., fire alarm, natural gas, high voltage, electrical, Bascule Bridge, sewer systems, phone systems, high pressure industrial water, high pressure gas, HVAC). m. Monitor and initiate fueling operations to maintain fuel storage tanks properly supplied. n. Program fueling keys and maintain records on Fuel Sentry system. o. Monitor Main Substation and initiate callout to Mississippi Power for Monitoring System or Substation problems. p. Provide operator support for condition assessment and plans as maintenance requires EMCS (including hardware, firmware and software). q. Perform benchmarking for the EMCS as required to ensure system speed, availability and reliability are maintained (existing benchmark is available in the TRL).	Monitoring System with Work Station.	Obtain approval from CO prior to any hardware, software or firmware changes. Acknowledge non-critical alarm within 10 minutes and start remedial action within 15 minutes. Acknowledge critical alarms within 1 minute and start remedial action within 3 minutes. Adjust algorithms to correct operational problems and/or optimize efficiency within 3 work days. Apply consistent methods of control and logic site wide.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.1	**Continuation** **Staff and Operate the EMCS Central Console Station**	r. Initiate and manage data trending for EMCS monitored systems and equipment. Provide system-generated reports and trend data as requested. s. Assist in defining EMCS site equipment/ system requirements in support of equipment/system designs and operational inquiries. Provide system generated reports upon request. t. Provide host operational support for Functional Checkout and Point-to-Point Checks in support of PM, trouble shooting, corrective maintenance and construction. u. Monitor critical Field Device parameters through back-up communication links during System 600 Central Host outages. v. Initiate corrective actions as required on all EMCS System equipment, Fuel Management Monitoring System equipment, and Main Substation System. w. Monitoring System equipment and Main Substation System equipment (Host and field devices).		Provide Security for all central console equipment and software.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.2	**Manage EMCS Software**	Manage software for the EMCS Central Console Systems and accessories, EMCS programmable field panels and the Fuel Management Monitoring System (does not include the Main Substation Monitoring System). Management of software includes quality assurance, reliability, verification/ validation, document and data control, configuration/change control, certification agreements, maintenance, records, training, servicing, audits, back up, handling, storage, packaging, testing, acceptance, nonconformance reporting, coordinating corrective actions, and security. Includes all software developed, supplied, maintained or operated for, or in support of, EMCS Systems and the Fuel Monitoring System.	See Table 5.1-1 Includes: EMCS Central host systems. EMCS Field Cabinet software: System – 150 MFDs (SCU's &MBC's), and 35 UCs.UC's. Three laptop PC's used for EMCS troubleshooting, operations and database management Fuel Monitoring System Host.	Maintain daily, weekly, monthly and quarterly taped backup of system software for EMCS Central host. Quarterly backup shall be registered and stored in CEF. System Software shall also be backed up prior to any system configuration changes or modifications. Maintain current software taped backup of EMCS for each

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.2	**Continuation** **Manage EMCS Software**	Protect systems and data. Return all items in a usable and documented format at end of contract Provide Software Management Support for completion of vendor benchmarking, upgrades or troubleshooting. This includes system backup/protection, and transmitting of system data to the vendor. Provide test plan for all software development or changes. Functionally check operation after any system modifications.		Field Cabinet software. Maintain current software taped backup of software for Fuel Monitoring Host. Taped backup shall be capable of system restoration in event of system corruption or destruction. System operating, programming and maintenance manuals shall be maintained current.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.3	**Provide EMCS Programming Support**	Provide EMCS programming support, including the following: a. Accomplish graphics modifications or additions to operator-machine interfaces (e.g., floor plans, information screens, system schematics and point description). b. Accomplish algorithm modifications or additions to support operational requirements and maintain energy efficient operation. c. Modify point parameters for alarm management and energy conservation (e.g., set-points, alarm limits, start/stop times). d. Modify parameter settings in response to natural gas curtailment exercises and activities.	See Table 5.1-1. Includes: 1. EMCS Central Host systems. 2. EMCS Field Cabinet software (FID, MBC, SCU and UC). 3. Fuel Monitoring System Host.	All EMCS databases, programs and reports shall be made available electronically for Government access. All software development and modifications shall comply with the system standards, or shall receive prior approval from the CO.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.4	**Maintain Energy Conservation Exception Log**	Log shall provide information for tracking and calculating energy consumption due to individual requests to activate facility utilities or HVAC for after-hours operations. Log shall include date of request, requester and phone number, building number, room number, equipment required to run, time on and time off, number of personnel working, authorizing official, and any pertinent comments.	Log updated daily.	Log shall be maintained continuously, current and accurate. Data shall be submitted to Energy Analyst for calculation of Energy Consumption Allocation, monthly. Data shall be available for Government review upon request.
5.4.3.4.1.5	**Maintain Daily Log**	Maintain daily log of trouble calls, outages, and significant site events. Log shall record dates and times of events.	Maintain updated and available for review continuously. Log update daily.	Continuously update and maintain accurate. Records shall be sufficient to allow for time-sequenced review of site events. Data shall be available for Government review upon request.
5.4.3.4.1.6	**Reserved**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.1.7	**Encode Fuel Sentry Keys**	Support for fueling activities shall include encoding keys as required for site vehicle fueling. This shall include encoding keys as required for site vehicle fueling. This shall include encoding, record keeping and reporting of keys generated, reported losses of keys, etc.	Contractor Determined	Sufficient to meet operational needs.
5.4.3.4.2	**Standing Work**			
5.4.3.4.2.1	**Provide Fuel Forecast Report (DR 5-GA01)**	Provide Fuel Forecast Report (DR 5-GA01).	Semi-annual Report	Conformance with DR
5.4.3.4.2.2	**Provide EMCS Status Report (DR 5-GA02)**	Provide Monthly EMCS Report (DR 5-GA02).	Monthly Report	Conformance with DR
5.4.3.4.2.3	**Provide Fuel Receipt Report (DR 5-GA03)**	Provide Monthly Fuel Receipt Report (DR 5-GA03).	Monthly Report	Conformance with DR
5.4.3.4.2.4	**Provide Fuel Utilization Report (DR 5-GA04)**	Provide Monthly Fuel Utilization Report (DR 5-GA04).	Monthly Report	Conformance with DR
5.4.3.4.3	**Recurring Work**			
5.4.3.4.3.1	**Develop Operating Manuals and SOPs. (DR 5-GA09)**	Documentation shall be developed as required for proper instruction and procedures for the EMCS (See DR 5-GA09).	Contractor Determined	Conformance with DR

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.3.2	**Update and maintain Operating Manuals and SOPs (DR 5-GA09)**	Documentation shall be bound in manual(s) and maintained available for EMCS operator instructions at the EMCS Central Console. Requests for updates shall be initiated by the EMCS as required to maintain current data. Initial documents shall be presented for Government review within 30 days of start of contract, and upon review shall become Government property. Documents shall be available at CEF and at the EMCS. Documents shall provide all pertinent phone, pager, and radio numbers for operational or emergency notification, EMCS procedures and instruction to support all facility specific and mission specific requirements, and any operation plans and instructions required to perform EMCS operations, recurring and standing work. (See DR 5-GA09)	39 Ea Documents	Conformance with DRs. Documents maintained current and accurate.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.3.2	**Continuation** **Update and maintain Operating Manuals and SOPs (DR 5-GA09)**	These documents shall include: a. Radio and Pager Number Listing b. Responsible Person Listing (By System-NASA and Contractor Personnel) c. Building 1103 Room 113 ITD/SRSC (Space Remote Sensing Center) Procedures and Notification d. NAVO Facility Equipment Room Procedures e. High Pressure Industrial Water Alarm and Callout Procedure f. Test Area After Hours EMCS Support Procedures g. Building 1003 Air Conditioning Failure Procedure h. Building 1105, EPA After Hours Contact List i. After Hours Contact Listing for Graphics Personnel j. After Hours Contact Listing for CEF (Central Engineering Files)		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.3.2	**Continuation** **Update and maintain Operating Manuals and SOPs (DR 5-GA09)**	k. Hazardous Spill Requirements/Instruction l. Building 4110 After Hours Helium Alarm Response Procedure m. Building 3305 HPG (High Pressure Gas) Alarm Procedures and Contact Listing n. Building 1110 Computer Room Monitoring and Response Procedures o. Telephone IM Equipment Requirements and Locations Listing p. Building 1000 Super Computer Room Control Requirements and Contact List q. Building 1000 Boiler Restoration Plan r. Emergency After-Hours Callout for Communications Systems s. Sewage Treatment Systems' Out of Tolerance Procedures t. Gas Leak Notification Procedures		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.3.2	**Continuation** **Update and maintain Operating Manuals and SOPs (DR 5-GA09)**	u. Notification and Recall Procedure for After Hours Incidents Involving Construction SubContractors or Utilities Systems v. After Hours Warehouse and Salvage Yard Access Procedure w. FOSS Safety Personnel Recall List x. FOSS After Hours Call Listings and Procedures y. Procedures for Generator Support to Mississippi Power Co. z. SSC Essex Back-Up Phone Listing aa. Building Operating Hours Summary bb. Disaster Preparedness Plan cc. Critical Facility Custodian Listing dd. FOSS Emergency Recall List ee. SSME Test Complex Security Access Concurrence Contact List		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.4.3.2	**Continuation** **Update and maintain Operating Manuals and SOPs (DR 5-GA09)**	ff. SSC Building Manager List gg. Emergency Operations Center Telephone List hh. Operation Control Center, 24 Hour Operations ii. NASA PSC Video Teleconference System Support jj. Natural Gas Outage Notification List Building Operating Hours kk. Summary Mississippi Power Emergency Contact Phone Listing and Instructions ll. Fuel Cell Operating Instructions and Call Out Listing		
5.4.3.4.3.3	**Maintain Manual of Updated Procedures, Instructions & Listings**	Refer to the TRL	Contractor Determined	Kept Current
5.4.3.5	**Natural Gas System**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.5.1	**Operations Information**	Natural gas for SSC is supplied by the Koch Gateway Pipeline Co. metering facility. An odorizing station is located adjacent to the metering facility. The odorized gas flows into a 10" main pipeline at a pressure of 40-43 psig to the main distribution No. 1 meter. The gas system piping continues to the user facilities where pressure is reduced to the pressure required by the equipment it serves. See Table 5.1-1 for system definition. Additional detailed system information is given in the SSC Utility RCM Analysis Manual for Natural Gas.	Nothing Additional	
5.4.3.5.1.1	**Operate, Inspect, and Monitor the Natural Gas Distribution System**	Operate the Natural Gas System in accordance with applicable SOP. Operate the system to achieve the availability requirements and operational hours as designated in Annex 5.5, Table 5.5-2 and the Operating Hours Summary (EMCS Operating Procedure). Operate the natural gas distribution system to maintain the output as stated in Table 5.1-1.	SSC has approximately 78,000 linear feet of pipe and associated valves, regulators, meters and cathodic protection.	The natural Gas System Operation does not required continuous coverage, but does require operator support to be available 24 hours a day to accomplish routine activities and respond to emergencies.
5.4.3.5.2	**Standing Work**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.5.2.1	**Maintain Log of Operator Activities**	The Natural Gas Distribution System log shall include status of valve configuration if other than normal, outages (scheduled & non-scheduled), and other pertinent information.	According to applicable contractor provided procedures.	Log available continuously.
5.4.3.5.2.2	**Read main and Distribution Meters to Monitor Consumption**	Record and record meter reading for input into energy allocation program. Meter locations and number are given in SSC Utility RCM Analysis Manual for Natural Gas**.**	Read 36 meters.	Read meters on the first work day of the month. Record date, time, location, and reading.
5.4.3.5.2.3	**Inspect and Operate In-Ground Valves**	Inspect and operate in-ground valves to ensure valves operate properly. Develop and implement a schedule that provides for the location and manual operation of each underground natural gas valve to ensure it operates properly. Lubricate valves as needed to ensure proper operation. Log any discrepancies found during the inspections in the natural gas distribution system log. Identify any valves requiring new identification markers.	See SSC Utility RCM Analysis Manual for Natural Gas for location of valves. (Approximately 66 valves)	Accomplish valve inspection annually. Note discrepancies in log daily.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.5.2.4	**Inspect Distribution System for Leaks**	Develop and Implement a schedule that provides for the Inspection of the Natural Gas Distribution System for leaks. Log any leaks found during the inspections in the daily operations log and initiate work orders for repairs. Immediately safeguard and mitigate conditions posing imminent danger to life, health, or property.	78,000 linear feet of pipe. See SSC Utility RCM Manual for Natural Gas System.	Accomplish valve inspection annually. Note discrepancies in log daily.
5.4.3.5.3	**Recurring Work**			
5.4.3.5.3.1	**Provide Operational Support for Gas Curtailment**	Provide operations support necessary to implement the SSC Natural Gas Curtailment Plan when notified by the government of a natural gas curtailment.	Historically, 2 curtailments since 1990.	Follow Plan and take actions necessary to ensure the safety of personnel and protection of government owned facilities and equipment, while keeping gas consumption below the Maximum Daily Quantity specified in the Plan.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.5.3.2	**Identify Above Ground Markers**	The Natural Gas underground piping required above ground markers per SSC standard 80-005. During routine operations, identify missing and/or badly damaged/deteriorated markers.	Approximately 350 markers & 78,000 linear feet of pipe. See SSC Utility RCM Manual for Natural Gas**.**	Initiate work order for repair within 7 days of discovery.
5.4.3.5.3.3	**Update, Develop, and Maintain Natural Gas System SOP's (DR 5-GA09)**	SOPs shall be maintained and updated as required (see DR 5-GA09).	Annual revision or whenever configuration changes. Quantity is Contractor determined	Develop or revise and obtain CO review within 90 days of contract start.
5.4.3.6	**Operate Fuel Systems (DR5-GA05)**	Operate the fuel storage tanks, fuel tanks, pumps, and ancillary components to provide for adequate fuel supplies and safe loading and unloading, of fuel. Receive vendor delivery vehicles within 30 minutes of arrival and remain with delivery vehicle at all times while unloading. Measure tank levels before and after loading. Monitor for leaks and spills, and report any to the CO. Fuel shall be procured in accordance with **Annex 6**.	Described below	Described below

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.6	**Continuation** **Operate Fuel Systems (DR5-GA05)**	The diesel fuel storage tanks (two 25,000 gal. Tanks) are located at Building 2105. Diesel fuel is received here and dispersed to the equipment and fuel tanks described by the Workload Data. Additionally, the Contractor shall provide diesel fuel to resident agencies on an SWR. Sample the diesel fuel in the two 25,000 gallon storage tanks semi-annually, and treat as required with MIL-S-5302/A approved conditioners to meet the fuel quality standards of Federal Specification VV-F-8000.		Storage Tanks Building 2105: -Maintain 90% or above level during hurricane season June 2 thru December 1, maintain 75% or above level the rest of the year. Fuel Tanks: -Provide fuel to generator tanks to achieve availability at all times. No instance of generator unavailability because of fuel supply. Tugboat Tank: -Provide fuel as required by mission.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.6.1	**Manage and Operate Diesel Fuel System**			No instance of unavailability because of lack of fuel. Equipment: -Provide fuel for all IAGP (including portable generators) equipment used by the Contractor. -Operate all diesel fuel systems to provide the availability requirements of **Annex 5.5**.
5.4.3.6.2	**Operate Propane Fuel System**	The propane fuel system provides fuel for heating in areas not serviced with natural gas. Propane shall be procured in accordance with Annex 6.	Supply Propane Tank: 1-1,000 gal. Tank at Building 2105	Supply Propane Tank Building 2105: Maintain 50% or above level.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.3.6.2	**Continuation** **Operate Propane Fuel System**	The Contractor shall operate the system to provide adequate supplies to the tanks given in the Workload Data.	Food Service Truck: 1-500 gal. Tank	Food Service Truck: Fill as required to maintain availability.
		Normally these tanks are filled by vendor delivery vehicles at the tank location. There is one supply propane tank located at Building 2105. It is used to fill the propane tank on the food service truck. The Contractor shall provide propane to resident agencies on an SWR.	Propane Tanks: 1-500 gal. Tank and 1-1,000 gal. Tank at Building 2423	Propane Tanks: Fill as required to maintain availability.
			1-500 gal. Tank and 1-1,000 gal. Tank at Building 2421	
			2-150 gal. Tank at Building 2110	
			1-1,000 gal. Tank at Building 2402	
5.4.3.6.3	**Operate Gasoline Fuel System**	The gasoline fuel storage tanks, 24,000 gallon Capacity, are located at Building 2201. Gasoline is received at that location and dispersed to resident agencies and for Contractor use. Gasoline for resident agencies is provided on an SWR	24,000 gal capacity underground storage tanks at Building 2201	Fill as required to maintain availability. Maintain at or above 20% capacity.
5.4.4	**Building Structures**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.1	**Operate Electrical Systems**			Operate to maintain availability
5.4.4.1.1	**Switch Boards & Panel Boards**	Ensure the Switchboards and Panel boards are securely fastened during operation.	1,349 Boards	See 5.4.4.1
5.4.4.1.2	**Motor Control Center**	Motor Control Center consists of starter module circuit breakers, control transformers, wiring, relays, and other devices.	112 MCCs	See 5.4.4.1
5.4.4.1.3	**Lighting Systems**	Lighting systems consists of receptacles, switch plates, bulbs, lamps, lenses, reflectors, and luminaries.	124 Systems	See 5.4.4.1
5.4.4.1.4	**UPS**	Uninterruptible Power Supply (UPS) are 45 Kva and above.	76 UPS	See 5.4.4.1
5.4.4.1.5	**Generators**	Generators shall operate as originally intended if components are replaced with like components.	13 Generators	See 5.4.4.1
5.4.4.1.6	**Cathodic Protection Systems**	Cathodic protection system consists of active & passive systems with rectifiers.	1 System	See 5.4.4.1
5.4.4.1.7	**Lightning Protection Systems**	Lightning protection system consists of ground conductors, air terminals, and ground rods.	248 Systems	See 5.4.4.1

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.1.8	**Dry Type Transformers**	Dry type transformers are 45 Kva and above	173 Transformers	See 5.4.4.1
5.4.4.2	**HVAC and Refrigeration Equipment and Systems**			
5.4.4.2.1	**Operations**			
	Information, Equipment/Systems	HVAC and Refrigeration Equipment and Systems consist of equipment identified in the Equipment Database (available in the TRL). These equipment items and systems include all peripheral and support equipment, parts, and components such as pumps, motors, actuators, valves, piping, expansion tanks, controls, instrumentation and other components necessary to provide a complete and operational system. See Table 5.1-1 for a description of the system, components and output		
5.4.4.2.1.1	**Operate HVAC and Refrigeration Equipment and Systems**	The Contractor shall operate HVAC and refrigeration equipment and systems. The Contractor shall operate, inspect, and monitor equipment/systems as required to optimize equipment life cycle costs, to meet output requirements (see Table 5.1-1), or to achieve the Availability requirements (see Annex 5.5) during operational hours (see the Building Operating Hours Summary).	24 Systems	Monitor/Operate equipment as needed to meet availability requirements and to optimize equipment life cycle costs.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		Equipment shall be operated as intended and designed and operated in the most energy efficient manner while meeting availability requirements (e.g., EMCS controlled equipment shall normally be cycled off during unoccupied and non-operational periods; heating boilers shall be shut-down during the cooling season; economizer		
5.4.4.2.1.1	**Continuation Operate HVAC and Refrigeration Equipment and Systems**	cycles shall be used; optimum start/stop programs shall be used, etc.). During periods in which the		
		EMCS controls fail, equipment shall be manually started and stopped at times normally started and stopped by the EMCS.		
5.4.4.2.1.2	**Operate Automated Chemical Injection/Treatment Systems for open loop cooling tower systems**	The Contractor shall operate Chemical Injection/Treatment Systems to prevent excessive water usage, corrosion, algae buildup, biological growth, mineral deposits/scale, fouling, or deterioration of equipment.	12 Units	Conductivity shall be maintained between 1,500 and 2,400 mhos. Quarterly average corrosion rates shall be maintained at or below

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		Contractor shall provide all treatment chemicals. All chemicals used shall be compatible with the sewage treatment systems in use at Stennis Space Center, shall not violate existing National Pollution Discharge Elimination System (NPDES) discharge permits. (See Annex 2 for site chemical usage and submittal requirements.)		4.0 mils/yr. for mild steel and 0.2 mils/yr. for copper (coupon tests examined quarterly, minimum). Biological Count of heterotrophic bacteria shall be maintained below 10,000 organisms per ml (test 1 time each 30 days, minimum). No visible signs of Algae growth shall exist.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.1.2	**Operate Automated Chemical Injection/Treatment Systems for open loop cooling tower systems**	Contractor shall provide all materials, chemicals and supplies to perform all testing and sampling as required to properly treat and verify proper treatment. Contractor shall meet the following minimum sampling and testing requirements		
		Quarterly - Coupon tests for mild steel and copper corrosion rates. Monthly - Biological Count of heterotrophic bacteria. Weekly – Visual inspection for algae growth. Weekly – Tackle inspection for bacteria. Weekly – Record Conductivity		
5.4.4.2.1.3	**Provide Chemical Treatment of Closed Loop Chilled Water and Hot Water Heating Systems**	The Contractor shall chemically treat closed loop systems to prevent excessive corrosion, build-up of deposits, or deterioration of piping/equipment. Contractor shall provide all treatment chemicals. All chemicals shall be compatible with the sewage treatment systems in use at Stennis Space Center, shall not violate existing NPDES discharge permits. (**See Annex 2** for site chemical usage and submittal requirements).	Contractor Determined	Treatment level shall be maintained between 360 (minimum) and 1500 (maximum) ppm of nitrite as NO2, continuously.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.1.3	**Continuation Provide Chemical Treatment of Closed Loop Chilled Water and Hot Water Heating Systems**	Contractor shall provide all materials, chemicals, and supplies to perform all testing and sampling as required to properly treat and verify proper treatment. Contractor shall perform sampling of nitrite (as NO2) concentrations quarterly (minimum).		Quarterly average corrosion rates shall be maintained below 3.0 mils/yr. for mild steel and 0.2 mils/yr. for copper.
5.4.4.2.1.4	**Manage and Record NASA Owned Refrigerant Stock/Inventory**	Manage the refrigerant stock to prevent pilferage, loss, or contamination of refrigerant. Maintain an inventory of the stock. The Contractor shall be responsible for replacement of contaminated or lost refrigerant, or refrigerant which cannot be accounted for through refrigerant use records (refrigerant use records are covered under Annex 5.4.4.2.1.5 and 5.4.4.2.1.6).	1 ea record	Maintain refrigerant in proper containers and in a secure area(s). Maintain current and accurate records of refrigerant inventory, including locations and bottle numbers. Records shall be maintained for 3 years and shall be available for Government review upon request.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.1.5	**Maintain use Records for Refrigerant from NASA Stock.**	The Contractor shall maintain records for all refrigerant used from the NASA stock. These records shall provide an audit trail down to the date, type and weight of refrigerant added, and the MAXIMO Database equipment item number. Records shall clearly differentiate between NASA stock refrigerant and other refrigerant sources (see Annex 5.4.4.2.1.6 for additional records requirements).	1 ea record	Maintain records current, accurate, and available for Government review upon request.
5.4.4.2.1.6	**Maintain Refrigerant Records for Refrigerant Use and Equipment Leakage Rates**	The Contractor shall maintain records of SSC refrigerant use and equipment leakage rates in accordance with EPA regulations and requirements. Note: Some record requirements for NASA owned refrigerants (see Annex 5.4.4.2.1.5) may not match EPA regulations; where this is the case, the more stringent requirement shall apply.	1 ea record file or database	Maintain records current, accurate, and available for Government review upon request.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.1.7	**Manage Refrigerant Leakage Rates and Develop Repair Plans**	Develop Repair Plans and maintain records in accordance with EPA regulations. The Contractor shall act on behalf of and in accordance with both "Service Organization" and "Owner" requirements established in the EPA regulations to ensure that leaks are repaired within EPA time constraints. Repair costs and requirements are covered under Annex 5.3**.**	1 Plan	Maintain records current, accurate, and available for Government review upon request. Notify the Government of potential conflicts/problems (e.g., non-funded repairs). Notification shall be provided within 10 work days of discovery.
5.4.4.2.1.8	**Disposal of Contaminated Refrigerant**	The Contractor shall be responsible for disposal of contaminated refrigerants generated by PM, CM or Operations (Annexes 5.2, 5.3, and 5.4). This includes handling, storage, and disposal. Note: This Annex is not intended to cover the costs for the recovery of refrigerant. The recovery of refrigerant will be evaluated by the Government as part of a PM, CM, or other activity (e.g., removal of refrigerant from a demolished air conditioner prior to a repair/replacement shall be part of the CM).	Contractor Determined	Compliance with EPA regulations.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.1.9	**Provide HVAC/Refrigeration Technician for Support of Programmatic or Scheduled Operations During Normal Working Hours**	Technician shall be located within the area of assignment (e.g., test complex) beginning 30 minutes prior to the scheduled test firing or other scheduled activity. The Government will provide approximately 2-hour notification prior to start of test, but no less than 1-hour notification.	204 hours annually	No instances of failure to respond.
		Technicians shall check in with Program Operators (e.g. Test Area Operators), upon arrival at the site for briefing and specific instruction. Minimum requirements include logging of chiller and boiler parameters prior to tests (see 5.4.4.2.2.1 and 5.4.4.2.2.3), check-in with EMCS for alarming or equipment problems, investigate areas of concern as instructed by Program Operators, and report potential problems/concerns to the EMCS and to Program Operators, mitigate and repair (as approved by Program Operator) to prevent interruption of programmatic activities.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		Technician shall be equipped with transportation, tools, and supplies which shall include a vehicle, ladders, hand tools, multimeter, temperature and humidity measuring devices, refrigerant gauges, air flow and differential pressure measuring devices, and other tools as necessary to troubleshoot HVAC and Refrigeration systems		
5.4.4.2.1.9	**Continuation Provide HVAC/Refrigeration Technician for Support of Programmatic or Scheduled Operations During Normal Working Hours**	Historically, duration for each support activity is approximately 3 hours.		
5.4.4.2.2	**Standing Work**			
5.4.4.2.2.1	**Maintain a Log of Centrifugal/Screw Compressor Chiller Parameters During Operating Periods**	The Contractor shall log operating parameters for Centrifugal/Screw Compressor Chillers. Logged data shall include entering/exiting water temperatures, amp readings, loading, oil pressures, oil level, refrigerant pressures, purge unit run time (where applicable), general conditions and observations, date and time, logging technician, and any other pertinent data.	10 Units	Log Chillers Weekly

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		Logged data shall be reviewed for evidence of equipment deterioration. Conditions threatening the reliability and safety of the equipment shall be reported for corrective action.		Log shall be accurate and current and shall be available for Government review upon request.
		Equipment shall have data logged within 8 hours of being returned to service after service/repair, change of season start-up, etc.		Log shall be maintained on record for 24 months.
5.4.4.2.2.1	**Continuation Maintain a Log of Centrifugal/Screw Compressor Chiller Parameters During Operating Periods**	Equipment log shall record date (within 5 work days) when equipment is removed from service for repairs, seasonal shut-down, etc.		
		Each equipment reset shall be recorded in the log, including the date, time, and alarm conditions. Parameters shall be logged after the equipment has been reset and has reached stable operating conditions.		
		Log Chillers daily during any periods in which the EMCS Host Visibility and Alarming is not available.		

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.2.2	**Maintain a Log on Chiller Parameters at Buildings 1110, 1200, and 1201 During Operating Periods**	The Contractor shall log operating parameters for Chillers. Logged data shall include entering/exiting water temperatures, amp readings, loading, oil pressures, oil level, refrigerant pressures, general conditions and observations, date and time, logging technician, and any other pertinent data.	4 Units	Log Chillers weekly

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.2.2	**Continuation** **Maintain a Log on Chiller Parameters at Buildings 1110, 1200, and 1201 During Operating Periods**	Logged data shall be reviewed for evidence of equipment deterioration. Conditions threatening the reliability and safety of the equipment shall be reported for corrective action.		Log shall be accurate and current and shall be available for Government review upon request.
		Equipment shall have data logged within 8 hours of being returned to service after service/repair, change of season start-up, etc.		Log shall be maintained on record for 24 months.
		Equipment log shall record date (within 5 workdays) when equipment is removed from service for repairs, seasonal shutdown, etc.		
		Each Equipment reset shall be recorded in the log, including the date, time, and alarm conditions. Parameters shall be logged after the equipment has been reset and has reached stable operating conditions.		
		Log Chillers daily during any periods in which the EMCS Host Visibility and Alarming is not available		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.2.3	**Maintain a Log on Reciprocating Compressor Chiller Parameters During Operating Periods**	The Contractor shall log operating parameters for Chillers. Logged data shall include entering/exiting water temperatures, amp readings, loading, oil pressures, oil level, refrigerant pressures, general conditions and observations, date and time, logging technician, and any other pertinent data.	18 Units	Log chillers monthly.
		Logged data shall be reviewed for evidence of equipment deterioration. Conditions threatening the reliability and safety of the equipment shall be reported for corrective action.		Log shall be accurate and current and shall be available for Government review upon request.
		Equipment shall have data logged within 8 hours of being returned to service after service/repair, change of season start-up, etc.		Log shall be maintained on record for 24 months.
		Equipment log shall record date (within 5 workdays) when equipment is removed from service for repairs, seasonal shutdown, etc.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		Each Equipment reset shall be recorded in the log, including the date, time and alarm conditions. Parameters shall be logged after the equipment has been reset and has reached stable operating conditions.		
5.4.4.2.2.4	**Maintain a Log on Gas-Fired Boilers During Operating Periods**	The Contractor shall log operating parameters for gas-fired boilers. Logged data shall include entering/exiting water temperatures, stack temperatures, flame color, general conditions and observations, date and time, logging technician, and any other pertinent data.	51 Boilers	Log Boilers Weekly
		Logged data shall be reviewed for evidence of equipment deterioration. Conditions threatening the reliability and safety of the equipment shall be reported for corrective action.		Log shall be accurate and current and shall be available for Government review upon request.
		Equipment shall have data logged within 8 hours of being returned to service after change of season start-up, service, repairs, etc.		Log shall be maintained on record for 24 months.
		Equipment log shall record date (within 5 workdays) when equipment is removed from service for repairs, seasonal shutdown, etc.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		Each Equipment reset shall be recorded in the log, including the date, time and alarm conditions. Parameters shall be logged after the equipment has been reset and has reached stable operating conditions.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.2.4	**Maintain a Log on Gas-Fired Boilers During Operating Periods**	Log Boilers daily during any periods in which the EMCS Host Visibility and Alarming is not available.		
5.4.4.2.2.5	**Provide Quarterly Water Treatment Reports (DR 5-GA06)**	The Report shall provide a quarterly report for each treated HVAC water system (e.g., cooling towers, chilled water, and hot water loops). The report shall provide results of all sampling and tests, including chemical concentrations of corrosion inhibitors, biocides, algaecides, or other treatment chemicals, monthly average corrosion rates for all open systems, along with any recommendations or conclusions. (See DR 5-GA06)	59 ea closed systems, 12 ea open systems	Conformance with DR. Report shall be maintained on record for 12 months (minimum) and available for Government review upon request.
5.4.4.2.2.6	**Provide Annual NASA Refrigerant Inventory Report (DR 5-GA07)**	The Report shall provide a listing by refrigerant type of the NASA owned Refrigerant Stock, for the Fiscal Year. The information shall include: 1. Quantities at start of Fiscal Year. 2. Quantities at the end of Fiscal Year. 3. Refrigerant quantities, types, and storage bottle numbers. (See DR 5-GA07)	1 Report	Conformance with DR. Report shall be maintained on record for 36 months (minimum) and available for Government review upon request.
5.4.4.2.3	**Recurring Work**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.2.3.1	**Develop/Maintain HVAC and Refrigeration System Operation Manuals and SOPs (See DR 5-GA09)**	Documentation shall be updated and maintained as required for the operation and maintenance of the HVAC and refrigeration systems**.** (See DR 5-GA09)	1 Annual Revision	
5.4.4.2.3.2	**Support Freeze Plan**	Monitor ambient temperatures and provide operations support as required in the SSC Freeze Plan (portion of DR1-GA03, Emergency Preparedness Plan of the SSC Disaster Preparedness Plan) to implement the plan, and to monitor and inspect equipment as needed to preclude freeze damage.	2 Occurrences per Year	No instances of non-compliance with freeze plan.
5.4.4.3	**Operate All Plumbing**	The Contractor shall operate all plumbing systems (potable water, sanitary sewage, etc.) so that they meet the availability requirements and operational hours as designated in Annex 5.5 and the Operating Hours Summary (EMCS Operating Procedures available in the TRL).	Specified structures and facilities are identified in TRL.	Achieve the availability requirements given in Annex 5.5, Table 5.5-2, and operational hours as designated in the Operating Hours Summary (EMCS Operating Procedure, available in the TRL)

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.4	**Operate Elevators**	The routine and periodic inspections/tests for elevators are accomplished by Annex 5.2 Item Number 5.2.2.2.8.1.2. The Contractor shall accomplish any additional operations required to achieve the availability requirements and operational hours as designated in Annex 5.5 and the Operating Hours Summary (EMCS Operating Procedure available in the TRL).	Contractor Determined See the Inventory of Vertical Transportation List in Exhibit 5.	Achieve the availability requirements given in Annex 5.5, Table 5.5-2, and operational hours as designated in the Operating Hours Summary (EMCS Operating Procedure available in the TRL).
5.4.4.5	**Operate Built-In Cranes, Monorails, and Hoists**	Provide operation of the Built-In Cranes, Monorails, and Hoists where the Contractor is listed as the responsible operator in the Inventory of Built-In Cranes, Monorails, and Hoists (Exhibit 1). Operations shall be in accordance with NASA-STD-8719.9 and SSC-SWI-8834-0001	See Exhibit 1, Inventory of Built-In Cranes, Monorails, and Hoists. The Contractor is only responsible for providing operations where the Inventory List shows the Contractor as the responsible operators.	Provide operations in accordance with NASA-STD-8719.9 and SSC-SWI-8834-0001.
5.4.4.6	**Operate Fire Protection & Alarm Detection Systems**	(Intentionally left blank)		Operate to achieve availability (Table 5.5-2).

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.4.6.1	**Fire Protection & Alarm Systems**	Consists of alarm panels.	94 Systems	See 5.4.4.6
5.4.4.6.2	**Facility RF Transceivers**	Part of the Fire Alarm System	97 Transceivers	See 5.4.4.6
5.4.4.6.3	**Sprinkler & Suppression Systems**	Systems consist of Sprinklers, foam, dry chemical, and gas (CO_2 and Halon) including piping, valves, tanks, pumps, gauges, and associated equipment.	105 Sprinkler Systems 5 Suppression Systems	See 5.4.4.6
5.4.4.6.4	**Fire Hydrants**	Fire Hydrants include post indicator valves.	146 Hydrants 20 Post Indicator Valves	See 5.4.4.6

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5	**Marine Operations**	Marine Operations includes operation and operator maintenance of the Tugboat Clermont II, 3 work barges, navigation lock, bascule bridge, docks, navigational aids, mooring devices, monitoring and level control of the canal system, signage and the procurement and storage of marine materials, and supplies required for day to day marine operations at SSC and when off –site. The canal waterway system consists of approximately 6 miles of canals. The level of the water in the canals is regulated by pumping water from the Pearl River system into the canal system through the use of 4 vertical pumps located at the West End of the lock. Operation of the pumps is required during extended periods of dry weather and when there is a lockage. The high water level of the canal system is controlled automatically by flow over a spillway. The tugboat Clermont II is used primarily to transport propellant barges from the loading docks on Propellant Boulevard to the test stands which is a trip of from 1 hour to the B-Test Stand to 45 minutes to the A-1 and A-2 Test stands. The tug is also utilized to transport NASA owned barges to and from the Michoud facility in New Orleans, LA before and after hurricane season. Resident agencies are provided tugboat service on a time available		See 5.4.4.6

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		basis. The current method of propellant delivery is		
5.4.5	**Continuation** **Marine Operations**	to load liquid oxygen and liquid hydrogen into their respective barges at the loading facilities on Propellant Boulevard and deliver them to the respective test stands. Although the capability exists to transit to Air Products and Chemical Corp. in New Orleans, LA to pick up barge loads of liquid hydrogen, this method of delivery is not presently utilized. The lock is filled from the canal system through the use of “tainer valves” which are opened to fill the lock to the level of the canal system by gravity feed. The tainer valves can also be utilized to minimize spillway flow during periods of high rainfall. Tainer valves are also utilized to drain water from the lock into the Pearl River system so that the level of the lock matches that of the river system. The upper and lower gates of the lock are operated by hydraulic rams. The hydraulic pressure is furnished by electric/hydraulic pumps located in the lock equipment building. There is a separate lock control building for the upper and for the lower gates. During hurricane warning periods, commercial and privately owned boats are allowed into the lock for protection against the storm on a first come/first serve basis.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		The Bascule Bridge is a twin span, 4-lane bridge,		
5.4.5	**Continuation Marine Operations**	which is operated automatically by programmable logic controller. Manual operation is possible from the control building by trained and certified operators. The bridge has 2 variable speed electric motor/gear drives on each span. The bridge can be operated with 1 motor. The second motors are installed in each bridge span for redundant capability. The waterway system is an extensive series of natural and dredged canals, which connect the three major test stands, the propellant area on Propellant Blvd, and the Engine Assembly Complex including B-3202 and the Data Buoy facility. The waterway system extends all the way to the Pearl River and includes docks, navigational aids and structures below the lock. There are pilings and other		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		structures in the waterway system to aid in the safe maneuvering of the tug and barges. The waterway system includes all docks, pilings, timbers, bollards, navigational aids, dolphins, spillway and surface water of the canal system. The canal system average depth is 9 feet and is dredged periodically. All portions of the above are "mission critical" and require a high degree of availability and reliability. (See Annex 5.5)		
5.4.5.1	**Provide Marine Operations Plan (DR 5-GA11)**	Prepare a Marine Operations Plan for all facilities and equipment covered under this Annex. The Plan shall provide details as to how the Contractor intends to perform work necessary to meet all requirements for Marine Operations under this Annex, including operations required to meet Availability as defined in Annex 5.5. This plan shall also address how the Contractor intends to meet personnel requirements, including certifications, training, and special requirements to meet Coast Guard Regulations. When operations require specific skills and/or certifications, the Contractor shall submit planned methods for	1 Plan	Plan shall be submitted for CO concurrence within 60 days of contract award.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		addressing attrition and other contingency planning.		
5.4.5.2	**Support the Tornado & Severe Weather Plan**	Monitor weather conditions and provide operations support as required in the Tornado and Severe Weather Plan (Annex A of the Disaster Preparedness Plan MA-05) to implement the Plan. This is an annual plan required by DR 1-GA03.	Anticipate 4 occurrences per year	No instance of non-support
5.4.5.3	**Recurring Work**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.3.1	**Operate Lock Control Equipment and Controls**	Operate and provide operator maintenance of the lock hydraulic system including pumps, motors, oil system, gate rams, and entire piping and tubing systems as part of this hydraulic power system. Operation includes calibration and operation of controls, electrical and electronic devices, and all devices associated with safe operation of the lock and lock control equipment	12 times/yr The lock control equipment shall be exercised no less frequently than once each month. Normal operation can be counted as part of this monthly minimum.	The lock shall be able to perform its intended function within 2 hours of a request to operate it. The request may come from the Government, other Contractors, or resident agencies.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.3.2	**Operate Navigation Lock**	Operation of this facility shall include all events of opening and closing the lock, adjusting and maintaining the water level, operation of controls, operation of tainer valves, and assisting in mooring boats and barges into and out of the lock. There is a special requirement to lubricate the pintal bearings of the lock gates every 30 days. This operation must be performed with the gates in motion to aid grease flow to the bearings. Failure to perform this function will result in seizing of the bearings. There will be a minimum of 12 lockages per year with approximately 5 of these occurring after hours. It is normal to have 24 hours notice prior to a lockage; however, the Contractor shall be able to support 3 lockages per year within 1-hour notice. Operator maintenance of the lock shall include maintenance of marine safety devices, lock mooring devices, and replenishment of operating fluids.	12 times/yr including maintenance and resident agency use.	The navigation lock shall be able to be operated (lock filled, water level adjusted to river level or canal level, and the gates operated within 2 hours of notification to operate).

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.3.3	**Operate Bascule Bridge**	Operate the bascule bridge on request. Operators shall be trained and certified to operate this critical system. The bridge is of the bascule type and has North and South spans that are operated by electric motors which are assisted by counterweighing. The bridge controls are automatic through a programmable logic controller (PLC); however, the operators must be trained and certified to be able to operate the bridge in "manual" as well as "automatic" mode. The bridge is operated on demand for various test programs and resident agencies. It is normal practice to operate the bridge on demand except for the hours 6:30 am to 8:30 am and from 3:30 p.m. to 5:00 p.m. During these peak automobile traffic hours, auto traffic is given preference unless there is a critical programmatic requirement. The NASA Program Office for the test program affected or the Director of Center Operations and Support Directorate or the Director of the Propulsion Test Directorate will determine programmatic need. The bridge may be required to be opened up to 10 times per year of which 4 of these openings may be after hours. This includes requirements for maintenance.	10 openings/yr	The bridge shall be able to be opened (at least 1 span) within 2 hours of notification.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.3.4	**Operate Tugboat Clermont II**	The Contractor shall assume complete operational control and authority for the NASA tugboat. The Contractor shall have a certificated Captain and boat driver(s) to perform work requirements on an as needed basis. The Captain shall assume full and unrestricted control of operational decisions, scheduling in support of test programs and other requirements, and be responsible to assure that the tug is maintained in accordance with Coast Guard regulations and standards for a marine vessel of this type and size. The tugboat shall be available to support the requirements of test programs and/or resident Agencies on as as-needed basis. Historically, 90% of the annual requirements for barge relocations have been accomplished during the hours 5:00 a.m. to 4:00 p.m. during normal weekdays. Approximately 10 of the anticipated 200 barge moves will be accomplished after normal working hours. Work that is started during normal working hours shall be completed, even if it requires work past normal working hours. Workdays in excess of 12 hours continuous are anticipated to occur 10 times per year. Sufficient trained and certified personnel must be available to support 24 hours per day operations for periods up to 4 consecutive days. This extended work period	200 movements/yr	The tugboat shall be able to conduct barge movements during normal working hours with zero excursions. The Contractor shall be able to support barge movement after normal working hours with 2 hours advanced notice with zero excursions allowed. In the event that the NASA tug cannot support barge movements due to mechanical malfunction or other unexpected event, the Contractor shall be able to supply alternate means to move barges within 48 hours of the time that the tug is determined to be unavailable for service.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.3.4	**Operate Tugboat Clermont II**	may occur up to 4 times per year. If the hydrogen transfer facility on Propellant Blvd. is unable to transfer hydrogen to the barges for any reason, it is anticipated that barges will be pushed to Air Products and Chemical Corp. in New Orleans, LA, and filled there and returned to SSC fully loaded. This round trip takes 15 to 20 hours and usually requires the marine crew to stay on the tugboat over night at Air Products. Night transits through the waterway system are discouraged due to safety considerations. It is likely that during good weather, 2 hydrogen barges can be pushed to Air Products at 1 time. This requires prior approval of the NASA Project Office or the CO. In addition to movement of the 3 liquid hydrogen and 6 liquid oxygen barges, the tug will be used to relocate the 3 work barges to be used for maintenance of the canal system. The tug will also be required to relocate barges from Michoud to SSC on demand and to assist other resident agencies at SSC.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.3.4.1	**Operate Tugboat and other marine facilities to assist resident agencies and other Contractors**	It is normal practice to assist resident agencies in the movement of material within the SSC waterway system and to and from Michoud. This is infrequent and is accomplished on a "time available" basis. On rare occasions the Contractor may be required to assist other Contractors with movement of material on the waterway system when such movement would be considered in the best interest of the Government. This work will be on a time available basis. On an infrequent basis, the marine personnel are requested to act as pilots for boats transiting the Pearl River and SSC water systems. They are not to serve as certificated pilots, only as advisors.	Contractor Determined	
5.4.5.4	**Standing Work**			
5.4.5.4.1	**Operate Lock Pumping Station**	The Contractor shall operate the 4 vertical, electrically driven pumps to maintain the canal level above the lock between 16 feet 4 inches to 16 feet 6 inches, as measured at the gauge on the canal lock wall upstream of the upper gates. The canal level shall not be allowed to fall below 16 feet 0 inches, because the cryogenic barges have a very limited ability to rise and fall with canal level	Operate and provide operator maintenance on the pumping system 12 times/yr for approximately 4 hours each time. Operation of the tainer	There shall be zero excursions of the canal system below the operating limit.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		changes. During periods of high rainfall, it shall	valves to control	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.4.1	**Continuation Operate Lock Pumping Station**	be normal practice to open the tainer valve system in order to limit flooding below the spillway. The high level of water in the canal system is controlled by the spillway system. The pumps, once started, can operate unattended as long as the level of the canal is carefully observed and kept within the limits above. This building shall not be used for storage of supplies or materials of any kind with the exception of material needed on a daily basis to operate the pumps.	excessive rainfall (more than 6 inches of rainfall in any 24-hour period or a rainfall accumulation of 10 inches within any 3-day period) will occur 7 times per year.	
5.4.5.4.2	**Operate Lock Cathodic Protection System**	The cathodic protection system, which protects the lock and bridge, shall be operated in accordance with standards set in Annex 5.2.2.2.8.4.7. This system operates unattended.	Nothing additional	No outages exceeding 24 hours. Maintain operational settings per Annex 5.2.2.2.8.4.7.
5.4.5.4.3	**Maintain Logs**	The Contractor shall maintain a log at each location of the Bascule Bridge and Lock. These logs shall provide historical information of openings, closings, maintenance activities performed with dates and times for all information.	2 logs	Logs shall be legible, contain all operational, maintenance data, and have entries up to date.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.5.4.3	**Continuation** **Maintain Logs**	The Contractor shall maintain a log on the bridge of the Tugboat Clermont II which provides dates and times of all maintenance activities, operational data, names of personnel doing work or operations, and initialed by the Captain as being performed in accordance with regulations and other pertinent data. This log shall also show consumables usage, fueling records, and any equipment malfunctions.	1 log	Log shall be legible and complete in every detail of operation
5.4.5.4.5	**Submit Fuel Usage Report**	The Contractor shall submit on a monthly basis a consumable usage report, which provides the amount of fuel used during the month. See DR 5-GA18.	Monthly	Report shall be submitted to the NASA CO before the 5th working day after the end of each fiscal month. See DR 5-GA18.
5.4.6	**Solid Waste Management**			
5.4.6.1	**Refuse Collection – Standing Work**			
5.4.6.1.1	**Schedule Update Report** **DR 5-GA12**	Develop, submit, and maintain monthly schedule updates to verify compliance with Refuse Pickup Schedule.	Monthly	Nothing additional.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.6.1.2	**Collect Refuse from Non-Bulk Containers**	The Contractor shall pick up solid waste containers at locations and frequencies listed in the Refuse Pickup Schedule (See Exhibit 7) and deliver to a permitted landfill. The Contractor shall visually inspect all containers before pick up to ensure there are no materials or components in the containers that are not on the refuse WIS. If unauthorized dumping is detected, report immediately to the SSC Environmental Officer. Collect refuse spilled from under and within 10 feet of containers and refuse spilled from collection vehicles.	5,500 containers emptied annually	Empty containers during core hours. Return empty trashcans and lids to original position and location.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.6.1.3	**Pick Up Refuse from Containers Handled Mechanically for Disposal**	Containers holding 2 to 10 cubic yards are normally handled mechanically. A detailed listing of locations will be provided upon contract award. Provide an appropriate size container at the specific locations and establish a frequency of collection. Collect refuse spilled from, under, and within 10 feet of containers and refuse spilled from collection vehicles and deliver to a permitted landfill. Return containers to their original locations and ensure services are accomplished within the frequency of service parameters specified. NOTE: Quantities in individual containers will vary seasonally, and on occasion, special events/ circumstances (e.g., cardboard from deliveries, office moves, etc.) may inadvertently fill container before the anticipated collection date.	11,800 containers emptied annually, with approximately 30 tons of waste weekly transported to the landfill	Empty containers as necessary to ensure that they do not exceed 90% capacity, develop obnoxious odors but not less than monthly.
5.4.6.1.4	**Pick Up Cardboard from Container Area**	The Contractor shall pick up cardboard from containers at Buildings 1100 (two locations), 2101, 1000, 2204, 1105, 2104/2105, 2201, 2205, 3202, 1005, and 8100. In addition, the Contractor shall collect cardboard from all other refuse collection points where quantities of cardboard are occasionally generated but do not warrant the installation of a container. Administration of cardboard recycling program is in Annex 2.2.	12 locations with cardboard containers 36 to 48 tons of cardboard each year	Empty containers as necessary to ensure they do not exceed 90% capacity, but not less than monthly.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.6.2	**Landfill Operations – Standing Work**			
5.4.6.2.1	**Class A Landfill and Class II Rubbish Landfill Operations**	Operate in accordance with Landfill Operations Manual, Permit No. SW02401B0376, and the MDEQ Non-hazardous Waste Management Regulations.	Daily	Meet all requirements of Landfill Operations Manual, Permit No. SW02401B0376 and MDEQ Non-hazardous Waste Regulations.
5.4.6.2.2	**Cardboard and Drum Compression**	Compress all cardboard collected in 5.4.6.1.4, store and arrange for sale and/or recycling. Compress all previously rinsed drums in the drum crusher and place in the metal recycling program administered by requirements of Annex 2 and 6.	3 to 4 tons of cardboard per month; 100 drums on average per month	Less than 20% cardboard in debris/ garbage disposed of in landfills. No drums in landfill except for unsalvageable crushed drums upon approval of SSC Environmental Officer.
5.4.6.2.3	**Solid Waste Disposal Report, DR 5-GA13**	Provide report per DR 5-GA13.	Monthly	Compliance with DR
5.4.7	**Maintenance Engineering**			

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.7.1	**Personnel Qualifications, Roof Maintenance**	Due to the criticality of the roofing systems, it is imperative that personnel assigned as craftsman and inspectors for roof maintenance be thoroughly familiar with repair procedures of the various systems. All inspectors and technicians assigned to these positions must meet the Roofing Industry's Educational Institute Requirements for Roofer ID (3 years of specialized experience in repair and maintenance of the roofing system).	Contractor determined	Submit qualifications within first 60 days of contract start for inspectors and technicians.
		At a minimum, Maintenance Engineers shall provide the following: a. Maintenance planning, both long and short term, based on experience and expert knowledge of SSC facilities and systems. b. Required inspections. c. The gathering of information for correct evaluation of problems. d. The determination of cause and the proper repair of correction of operation.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.7.1	**Continuation Personnel Qualifications, Roof Maintenance**	e. The mathematical design, with sketches or drawings, as required. f. The specifying of requirements, or method of operation, and selection of proper materials. g. The investigation of and reporting of unplanned utility system, and equipment outages or failures. h Respond to requests from the Government for information regarding SFUSS condition and proposed solutions for failed equipment and systems.		
5.4.7.3	**Reserved**			
5.4.7.4	**Reserved**			
5.4.7.5	**Implement, Manage, and Operate the Existing Computerized Maintenance Management System (CMMS)**	The CMMS software, workstation certifications, and maintenance history are Government owned and will be made available to the Contractor for the duration of the contract. The ADP hardware and software to support this system will be maintained by the ODIN Contractor.	Contractor determined	The CMMS system shall be maintained in a manner that minimizes downtime.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.7.6.	**Establish a Work Management System for Receiving, Scheduling, Tracking, and Reporting All Maintenance and Repair Work**	The system shall provide maximum visibility (network online access) to all generated, scheduled, in-progress, and completed maintenance and repair	Contractor determined	Information shall be available for Government review 24 hours a day, 7 days a week. At a minimum, the information shall be updated daily, no later than 7 a.m. each day. Receive work 24 hours a day, 7 days a week.
5.4.7.6.1	**Establish a Central Work Control Center for Receiving Maintenance and Repair Work**	Publish or otherwise notify customers of the location and phone number. Establish and publish a procedure for receiving calls outside normal business hours.	Contractor determined	Numbers shall be accounted for at all times.
5.4.7.6.2	**Assign a Work Control Number to Maintenance and Repair Work Received for Tracking and Reporting Purposes**	Each occurrence of maintenance and repair work shall be assigned a unique number distinguishable for other service performed under the terms of this contract.	Contractor determined	Input is correctly completed with 24 hours of receipt of change.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.7.6.3	**Input and Update Data Required for Tracking of Received or Identified Maintenance and Repair Work**	Include all information necessary to provide accurate network online visibility to all work. Update data whenever a change occurs, additional data becomes available or condition changes.	Nothing Additional	A complete audit trail shall exist for work performed on numbered equipment.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.7.6.4	**Track Work Accomplished on All Numbered Equipment in the CMMS Database**	Includes all work covered under the terms of this contract of operation, standing work, etc. Provide accurate network online visibility.	Nothing Additional	Retag equipment that has missing or illegible tags.
5.4.7.6.5	**Maintain CMMS Program Identification on Equipment**	Ensure equipment has a Maintenance ID tag attached. Ensure equipment has a corresponding ID in the CMMS database.	1 system Contractor determined	Place an equipment identification number on all new equipment. All documentation shall be up to date and available for review by the Government.
5.4.7.6.6	**Reserved**			
5.4.7.7	**Maintain and operate existing, Government Owned, Predictive Testing and Inspection (P.T.&I) Program**	The Contractor shall maintain the existing software current or replace with new software if the vibration and/or thermography equipment is replaced with a different system. The systems in use at the end of the contract term shall be provided to the Government.	3 man years per year	
5.4.7.8	**Update and Maintain a Database of all roofs on site**	The database shall retain structural information of each roof type (type, material, etc.) and maintenance history for use in prioritizing roof maintenance requirements.	1 database	Complete and accurate database

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.7.9	**Utilize and Update the Following System Databases:** **1. Common Use Areas Database, Including Condition of Carpet, Interior Paint, Ceiling Tile, Restroom Partition, and Fixture Condition.** **2. Facility Relamp Database.** **3. Exterior Paint Database.**	These databases provide information on the condition of specific facilities and systems and maintenance planning. Information contained in these databases shall be updated to reflect current conditions a determined by the Facility Inspection Program.	3 databases	Complete and accurate database
5.4.7.10	**Schedules**			
5.4.7.10.1	**Prepare a 3-Month Schedule at the Beginning of Each Month, Available Online**	The Contractor shall prepare the 3-month schedule for all operation, recurring work, Contractor generated work orders, preventive maintenance, and other SWRs. The schedule shall include the work order number, location (specific location description to permit the Government to inspect the work), start date, and end date.	12 schedules	The schedule shall be updated the first of each month.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.7.10.2	**Prepare a Weekly Schedule, Available Online**	The Contractor shall prepare a weekly work schedule that covers the same types and categories of work as the 3-month schedule specified above and shall contain the same information	52 schedules	The schedule shall be available online by 7:00 a.m., Friday for the following week. The schedule shall be updated as changes occur.
5.4.7.11	**Collect and Report Historical Information on Trouble Calls and All Maintenance Work Orders DR 5-GA23**	Historical cost information, that summarizes the content of the maintenance work at SSC, shall be provided no later than October 15 for the previous fiscal year. This information shall be provided for review in online reports and retained in Central Engineering Files.	Approximately 3,500 trouble calls per year.	No instance of undocumented trouble call work
5.4.8	**Operate the Installation-Accountable Government Property (IAGP)**	All IAGP are to be used only to complete work under this contract. The use of Government furnished property and services for other purposes are prohibited. The Contractor shall maintain all current calibrations and certifications, which might be required for this equipment. NASA's Test Area requirements shall have the highest priority in the use of all IAGP.	Attachment J-10 List 1 and 2	No instance of improper operation of equipment.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.8.1	**Operate the Special Purpose Mobile Equipment (SPME)**	The Contractor is responsible to operate all Special Purpose Mobile Equipment.	Exhibit 4	
		The Contractor shall also be responsible for refueling any or all of these items which are engine-driven, as necessary, to maintain this readily available condition.		
5.4.9	**Provide Non-destructive Evaluation Service Capability (NDE)**	NDE includes extensive capabilities in the area of inspection and evaluation services. These capabilities must be readily available and be of state-of-the-art capability. The services required include such items as the following: leak inspections by mass spectrometer; radiograph filming and interpretation; ultrasonic examination; borescope inspection; magnetic particle inspection; dye penetrate inspection; hardness determination; radiation safety; and other inspection and evaluation work.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.9	**Continuation** **Provide Non-destructive Evaluation Service Capability (NDE)**	The work includes capability to inspect welds up to 6 inches in thickness, pressure vessel certification, failure prediction, failure evaluation, corrosion detection and evaluation, leakage rate evaluation during component testing in the shops and in the field, and a multitude of other inspection efforts required to support cryogenic and high pressure gas systems and equipment operations. This capability extends to inspection of “flight” hardware as determined by the customer.		
		This performance requirement also includes the cost to maintain radiation sources including high-energy cobalt source and the certifications to maintain this capability.		
		The maintenance of all NDE equipment, certification fees, and all other costs associated with maintaining this capability in a high state of availability are included in this Annex.		
		The work schedule is not predictable and overtime is frequently required to support customer requirements.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.9	**Continuation** **Provide Non-destructive Evaluation Service Capability (NDE)**	The Contractor must be certificated by the Mississippi State Board of Health, Division of Radiological Health and operate in accordance with the Mississippi State Board of Health Regulations for the Control of Radiation. The Contractor must obtain and maintain "Radioactive Material" certification and "Registration of Sources of Ionizing Radiation" (X-ray).	2 certifications	Certifications must be current and comply with State regulations.
		Leak inspection is split between the repair work being performed in the Fluid Component Processing Facility and at the gas and cryogenic systems located in the test complexes and site-wide systems.		Contractor shall respond to request within 1 hour of notification of requirement. Results of inspection shall be submitted within 24 hours.
		Radiograph work is mostly fieldwork and is the inspection of welding made during construction and/or maintenance and in the recertification of pressure vessels for failure prediction.		
		Pressure vessel inspection is performed on all pressure vessels in accordance with the NASA Pressure Vessel Recertification Program.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.10	**Energy Management**			
5.4.10.1	**Establish and Implement an Energy Management Program to ensure compliance with Federal Laws and Executive Orders, Agency and Center Mandates for SSC**	The Contractor shall propose an Energy Management Plan that accomplishes the end results of: The plan shall implement the energy management goals established by the Energy Policy Act of 2005 (EPACT), the SSC Energy Efficiency & Water Conservation Five Year Plan (SPLN-8500-002)and Executive Orders 12759, 13123, 13221, 13149 and 13101. Additionally, the plan shall implement the SSC Utilities Energy Consumption and Cost Allocation Procedures in accordance with the Facilities Maintenance and Energy Management Handbook. The plan shall describe how the Contractor will achieve energy goals for all Performance requirements. The plan shall be inclusive of new designs, renovations, and equipment replacements, procurements of energy goods or equipment and operations, and maintenance of Utility Systems. Life-Cycle Costs (LCC) as defined in 10 CFR 435 and 436 and Executive Order 13123 shall be integral part of plan. The plan shall comply with	1 Plan See DR5-GA22.	Initial plan to be approved and in place within 180 days after contract start. There-after, update any changes within 30 days.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.10.1	**Continuation** **Establish and Implement an Energy Management Program to ensure compliance with Federal Laws and Executive Orders, Agency and Center Mandates for SSC**	the SSC Environmental Management System (EMS) A certification process must be included in the program which ensures compliance of design, construction, installation and operation with Federally Mandated Standards including 10 CFR 435 and 436.		
5.4.10.2	**Provide the Energy Consumption and Cost Reports in accordance with DR 5-GA18**	Submit to SSC's Energy Manager	See DR 5-GA18	Timely, accurate and complete reporting.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.11	**Facilities Management**			
5.4.11.1	**Establish and Implement a Facilities Management Program to ensure the integration of emergency preparedness and response for the facility, safety, maintenance and assure orderly operating environment of the facility**	The Facility Manager Program shall accomplish the following functions: Provide management oversight and facilitation of the SSC Facility Management Program by working with the designated NASA Technical Monitor for facilities and the individual Facility Managers. Maintain current listing of building Facility Managers. Maintain a Facility Management Website complete with building discrepancy database. Assist Facility Managers with emergency preparedness, industrial health and environmental actions, safety issues, and coordinating all building maintenance. Appoint Facility managers for the FOS contractor appointed buildings and provide training for all Facility Managers. Keep Facility Manager Handbook current.	1 Plan, with database, website and manual	Initial program to be approved and in place within 180 days after contract start. Maintain up to date data base and update manual changes within 30 days. All contractor assigned buildings with Facility Managers in place during contract phase-in.

5.5 AVAILABILITY

5.5.1 General Information

5.5.1.1 Annex Description

This Annex identifies the Availability requirements for Structures, Facilities, Utility Systems/Subsystems and Installation-Accountable Government Property (SFUSS & IAGP) (see 5.1.2). Availability is defined as the ability of SFUSS & IAGP to perform its intended function and deliver intended output during operating periods. The Government has adopted availability units as described in Table 5.5-1. Availability requirements of this Annex do not apply to SFUSS & IAGP maintained under "Demand Work."

A Malfunction is defined as an event in which a SFUSS & IAGP fails to properly operate or loses intended redundancy, but which does not prevent the system from performing its intended function (an equipment trip shall typically result in accrual of a Malfunction).

The term "Accrue" is used to identify those Availability Losses and Malfunctions that impact toward losses of Contractor incentive fee, and shall be identified and reported as such Each and every time an Availability Loss or Malfunction occurs, it shall be reported in accordance with 5.5.2, regardless as to whether it accrues against incentive fee.

The operational periods are defined in the Building Operating Hours Summary of the EMCS Operating Instructions (available in the TRL); this is defined as the times for which the SFUSS & IAGP are required to perform intended functions by providing the specified output or redundancy function. Availability Loss and Malfunction, response time, and repair time allowances are described in Table 5.5-2**.**

Trips are defined as events in which a safety switch, relay, controller, breaker, or other similar device, stops an Availability unit during normal operation, and for which the Availability Unit can be returned to safe operation by a simple reset of the tripped device. There are two types of trips, 1) Fault Trips, and 2) Event Trips:

Fault Trips are defined as those trips that are associated with improper function of the Availability Unit, and its immediate peripheral supporting systems and utilities. These may be the result of a fault, safety protection, improper settings, or other problems internal to the unit (including controls, utility safeties or other faults immediately associated with the unit). Even though a simple reset may restore unit operation, the root cause remains, resulting in a loss of normal operation (such as reduced efficiency, reliability, or life cycle). Examples of Fault Trips would include high/low pressure, high amp draw breaker

trip, thermal overload, loss of flame, loss of flow, and high/low temperature. Every trip shall be identified, tracked and reported as a Fault Trip and accrued as a Malfunction for the specific Availability Unit unless specific evidence supports identification of the trip as an Event Trip (see below) or the Contractor was granted relief from the fault trip as further explained in this section.

Fault trips of an Availability Unit that occur on the same calendar day, shall only tally as a single Malfunction, although the contractor shall keep records of, and report, all trips within MAXIMO.

Event Trips are defined as those trips that occur concurrent with, and as a result of, an identifiable one-time and root cause event such as a power outage, power surge, overload, etc. To be classified as an Event Trip three criteria must be met: 1) Evidence of the root event (such as recorded power loss to the facility) must exist and such information must be provided by the contractor upon request. 2) The working condition of the Availability Unit and the protection devices that trip must be working in their designed manner, (e.g., the Availability Unit must not have an internal fault, safety switch and breaker settings must be at proper and designed trip points. 3) A simple reset must return the unit to a fully normal operation (uncompromised efficiency, reliability and life cycle). Multiple resets would be evidence that these three criteria were not met. Event Trips shall be reported, but will not accrue toward Malfunctions or Availability Losses.

Any trips that result in the loss of Availability shall be reported as an Availability Loss.

Relief from Fault Trip accrual will be granted when/if evidence is provided that documents and demonstrates that a thorough troubleshooting effort has been completed, and for which no internal faults could be identified. Such relief shall only be requested by the contractor when accompanied with comprehensive and supporting information that documents the troubleshooting procedures and measurements (including pressures, temperatures, flows, set points, electrical currents and voltages, and manufacturer's data as applicable to the particular trip). The granting of such relief is at the discretion of the government, and must be provided in writing for each such occurrence. The purpose of Fault Trip Relief is intended to provide reasonable accommodation for intermittent trips and other difficult-to-diagnose problems, and for which trips may continue even though reasonable measures have been taken (and continues to be taken). Relief is only applicable to trips which occur after proper troubleshooting, and shall not apply to trips which occurred prior to the troubleshooting measures and Requested Relief. Such Relief may be discontinued at any time if the Government determines that the Contractor fails to continue reasonable efforts to locate the root cause and repair the cause of such trips. Trips occurring after Relief is granted shall continue to be reported, but shall not accrue Malfunctions.

Example: A Criticality II availability unit experiences 4 Fault Trips. Subsequent to this 4th trip, the Contractor performs comprehensive troubleshooting efforts, but finds no root cause of the trips. With Government approval of requested Relief, trips subsequent to the 4th trip will not accrue Malfunctions, but the unit would accrue the 4 original trip Malfunctions, which results in accrual of 1 Availability Loss (based upon table 5.5-2 equivalence).

5.5.1.2 Availability Unit Definitions

Table 5.5-1 describes and defines availability units and their criticality level. The Critical Systems Lists and the Critical Systems Line Drawings (found in the SSC Utility RCM Analysis Manuals for specified equipment and systems) identifies the criticality for each utility distribution system, subsystem and/or part of a subsystem. The MAXIMO Equipment Database identifies the criticality for numbered equipment items. Definitions for Criticality levels are provided in Annex 5.1.

5.5.1.3 Operating Hours, Outages, and Notifications

PM, operations, or other activities which require "off time", "down time", or "outages" of SFUSS & IAGP, shall be scheduled during the non-operating hours of the affected building/facility, area ,or equipment as defined in the Building Operating Hours Summary EMCS Operating Procedures (available in the TRL). When operating hours are continuous, or when activities cannot be accomplished within non-operating hours, the Contractor shall be responsible to provide temporary services or otherwise ensure that site/facility activities are not interrupted see Annexes 5.2 and 5.3. Activities requiring temporary services shall be coordinated with the affected customer and shall receive concurrence of the CO prior to commencement of work. When interruption of site/facility activities is unavoidable or when temporary services are not feasible, prior concurrence of the Contracting Officer (CO) shall be requested. When concurrence is provided, the Contractor will not accrue an availability loss.

All scheduled "off time/down time," whether off time is during or after normal working hours shall be coordinated with affected customer. Failure to coordinate and to provide a minimum of 24-hour notification shall result in availability loss (see Annexes 5.2, 5.3 & 5.4). Such notification shall provide the affected parties sufficient information and time to prepare for outages or request rescheduling of activities.

5.5.1.4 Availability Losses

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Availability Losses shall be accrued due to loss of availability of SFUSS & IAGP as defined in Table 5.5-1 and that are a result of PM, operations, CM, construction or other activities within the control or responsibility of the contractor. Accrual of Availability Losses does not diminish the right of the Government to impact incentives applicable to other Annexes of this contract. Example: Failure to perform a required PM results in the loss of output of a utility system as defined in Table 5.1-1. An availability loss shall be accrued per the applicable system or equipment item as defined in this Annex; the incentive fee may also be impacted for non-performance of the applicable PM line item in Annex 5.2.

An availability loss shall be reported (and shall be accrued unless specifically defined otherwise) each time a SFUSS & IAGP fails to be available during a performance period. There is no limit on the quantity of availability losses that may be accrued against any SFUSS & IAGP. Example: An equipment item experiences an availability loss and is repaired/restored to operation within the designated repair time. The equipment subsequently experiences a second availability loss. A total of 2 availability losses may be accrued against the equipment item.

Allowed time for response and repair is provided in Table 5.5-2, for which failure to meet will result in accrual of an additional Availability Losses (or Malfunctions). After the allowed repair time lapses, an additional Availability Loss shall be accrued every 24 hours until the repair is completed.

Example: A Criticality Level II system with redundancy (7-day designated repair time) experiences a Malfunction. Due to the redundant system there is no loss of availability. The repair is completed on the 10th day following the malfunction. This incident-shall result in accrual of 3 Availability Losses; one for each additional 24 hr period past the required repair time of 7 days.

It is important to note that, for purposes of table 5.5 maximum repair times, the measurement of repair times starts at midnight on the day the Availability Loss (or Malfunction) is discovered. This is intended to simplify the tracking of repair times. However, the response time required based upon the Priority (see Annex 5.3) is based upon the actual time and date of discovery.

When the repair time constraints cannot be met, the contractor may establish temporary services to temporarily restore availability. In such cases, the contractor shall obtain CO concurrence on the method and the maximum time for which temporary services will be in use. Continued operation of temporary service beyond the concurred time allowance shall result in accrual of a Malfunction (unless prior concurrence of the CO is obtained). An additional Malfunction shall be accrued every 5 days until the system availability is restored, or CO concurrence is obtained on the continuation of temporary services. Costs for approved temporary services are covered under CM (see Annex 5.3).

At times an Availability Loss (or Malfunction) of one unit may result in subsequent loss of availability of one or more other availability units. In such cases, either an Availability Loss (or Malfunction, as applicable) shall be applied to the system which experienced the initial loss in availability (or Malfunction), or Availability Losses shall be applied against the other units (up to a maximum of 3 units) which experienced the subsequent losses of availability. Selection of either option is at the Governments discretion (see example 6 in 5.5.1.9).

5.5.1.5 Malfunction-Availability Conversion

Table 5.5-2 provides Malfunction Conversion and Response/Repair Time Requirements values for each SFUSS & IAGP Criticality Class Code. Each time the quantity of Malfunctions occurring for an individual numbered equipment (or system) Criticality Level reaches the Malfunction equivalent value, an Availability Loss shall be accrued against that Criticality Level. Example: A total of 12 Malfunctions occur on a specific Criticality I equipment item (or system). This shall result in accrual of 4 Availability Losses against Criticality level I (from Table 5.5-2, Malfunction-Availability Equivalent is 3, therefore 12 malfunctions divided by 3 is equal to 4 Availability Losses).

It is important to note that Malfunctions accrue against a specific Availability Unit equipment item or system; that particular numbered equipment item or system must accrue the equivalent quantity of Malfunctions in order to result in accrual of an Availability Loss. Malfunctions of different equipment items or systems are not summed in Equivalency calculations to convert to Availability Losses. Example: A single malfunction occurs on 12 **different** Criticality I equipment items (or systems). These are reported as 12 individual Malfunctions against each of the individual availability units, but do not convert to any Equivalent Availability Losses.

Availability Unit Fault Trips which occur within a performance period shall be tracked and reported as Fault Trip Malfunctions against the individual equipment item.

The allowed time for malfunction and availability loss responses/repairs are provided in Table 5.5-2, for which failure to meet shall result in accrual of additional malfunctions. An additional Malfunction shall be accrued upon lapse of the allowed repair time, and for each 24 hours thereafter, until the repair is completed.

It is important to note that, for purposes of table 5.5 maximum repair times, the measurement of repair times starts at midnight on the day the Malfunction is discovered. This is intended to simplify the tracking of repair times. However, the response time required based upon the Priority (see Annex 5.3) is based upon the actual time and date of discovery.

5.5.1.5A Non-Accruing Availability Losses and Malfunctions

Availability Losses and Malfunctions which are due to circumstances and conditions beyond the control (or responsibility) of the Contractor will not accrue against incentive fee, although such occurrences shall still be reported by the contractor in accordance with 5.5.2. Circumstances beyond the contractors control include, but are not limited to:

a. Availability Losses or Malfunctions beyond the control of the contractor (CO must concur with determination).

b. Availability Losses or Malfunctions of major equipments beyond life cycle. (when such items have been properly assessed and planned per Annex 5.7, and when upon the loss/malfunction, the contractor provides complete troubleshooting, repair options, cost estimates and repair planning and recommendations. (See section 5.5.1.7, "Requests for Relief".)

c. When specifically approved by the CO as beyond the reasonable control of the contractual scope.

5.5.1.6 Availability Incentive Fee

Table 5.5-3 defines the incentive fee impact that will occur against the Contractor upon accrual of the designated quantities of Availability Losses. Availability losses and Malfunctions within each SFUSS & IAGP Criticality Class Code will be totaled for each performance period (quarterly). The incentive impact will then be determined based upon quantities of Availability Losses as presented in Table 5.5-3.

Maintaining SFUSS & IAGP Availability and reliability is a contractual requirement and a primary responsibility of the Contractor. In such cases that the entire Availability Annex incentive fee may have been lost during a given performance period, the Contractor is still obligated to work diligently in maintaining SFUSS & IAGP Availability without regard to the incentive fee status.

It is also important to note that the performance period is quarterly, and therefore Trips and Malfunctions from the preceding performance periods do not roll into Availability Loss Equivalencies of the following performance period. The Contractor is still obligated to work diligently in resolving and preventing Malfunctions and Trips without regard to incentive fee status. Where quantities of such Malfunctions and Trips are determined by the Government to be excessive (see Table 5.5-3), the Contractor shall develop and present a plan to correct deficiencies.

5.5.1.7 Repair Practice Constraints

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The Contractor is expected to be resourceful in meeting the repair time constraints by using such methods as maintaining inventory of commonly used parts/supplies, expeditious purchase/delivery of parts, development of service contracts, use of temporary services, etc. When a repair cannot be accomplished within the allowed time constraints due to circumstances beyond the control of the Contractor and temporary services are not feasible, the Contractor may obtain relief through a special written request to the CO for a Deferral. When concurrence is obtained, the Contractor will not accrue additional Availability Losses for failure to meet repair times. If requested by the Government, such requests shall be accompanied by sufficient detailed information to demonstrate and allow the Government to verify that the Contractor exercised reasonable effort to accomplish the repair within the designated time constraints. Concurrence is strictly at the discretion of the CO; the burden of proof resides with the Contractor. Deferrals shall not request extension of repair times beyond the time period for which the repairs could reasonably be completed (example: An 8 week extension shall not be requested for a repair that could be accomplished in 4 weeks). The Contractor must also demonstrate a continuing effort to expedite the repair; failure to expedite or failure to use available resources may result in cancellation of the Deferral.

As a minimum, submittals for a Deferral shall include the date of original discovery of the Availability Loss (or Malfunction), the projected dates of parts delivery, projected work start and completion dates, and the number of times this repair has been deferred. If requested by the Government, submittals for a Deferral shall also include a listing of repair parts, descriptions of work involved, listings of suppliers (names, dates, and phone numbers), contacts for parts/services, explanations of the circumstances necessitating the delay in repair, and a detailed repair plan.

It is important to note that government concurrence of Deferrals is based upon an accurate representation of the cause of repair delay, and that often concurrence will be provided without a detailed audit of the supporting information; audit findings of inaccurate representation of justifications, delivery schedules, or other resource or scheduling issues may result in rejection of the Deferral.

Repair is not considered complete until the full function of an Availability Unit has been restored. So that, if the initial identified repair does not restore full operation, reliability and redundancy, the repair time shall continue to be tracked based upon the initial discovery or report date. It is recognized that, at times, hidden damage may exist that can only be reasonably diagnosed when other repair actions have been implemented. In such cases, where applicable, the Contractor may obtain relief through Deferrals, but under no circumstances may the Contractor adjust repair time constraints through layering work orders (closing existing work orders and opening new work orders for the same Availability Loss or Malfunction).

Major repairs for Availability Losses or Malfunctions may be determined to be beyond available government funding or contract value. The Contractor shall immediately notify the Government of any repairs for which they believe this situation applies. Where the Contractor demonstrates that the equipment was properly operated and maintained, and where proper assessment and planning for repair/replacement funding is demonstrated, the Contractor may obtain relief from accrual of the failure and for repair time constraints. This relief is at the discretion of the Government, and such "Requests for Relief" must be obtained through written concurrence of the CO. The Contractor shall still be responsible for identifying the scope of these major repairs, providing the government with complete information, including applicable professional testing and inspections, evaluations, cost estimates, options, suggestions and recommendations, to restore the equipment/system. This information shall be provided to the Government as soon as is reasonably possible, and the Contractor shall present a schedule of actions by no later than the time constraints that would be applicable for the repair time constraints provided in Table 5.5-2.

The Contractor shall not cannibalize site equipment in order to obtain repair parts. However, in emergency cases, when timely delivery of parts is not possible or parts are not available, relief from this requirement may be obtained through the Supply and Equipment Management Officer's concurrence in accordance with NASA Handbook 4200**.** The NASA Form 1617 shall be utilized to record the circumstances and approvals for this action.

The Contractor may obtain spare parts inventory (which shall be used for SSC SUFUSS & IAGP only) through cannibalizing site equipment determined to be "scrap or salvage" in accordance with NASA NPR 4300.1B NASA Personal Property Disposal Manual. The NASA Form 1617 shall be utilized to record the circumstances and approvals for this action. Approval of any cannibalization is strictly at the discretion of the Government and is subject to NASA standards regulating cannibalization. An inventory shall be maintained on such parts, and the inventory and parts shall be turned over to the Government at the end of the contract.

5.5.1.8 Document and Report

The Contractor shall document and maintain cumulative records and metrics reporting (for each quarter and for each contract year) of all Trips, Malfunctions Availability Losses and Deferrals. Records shall be sufficient such that the Government can determine the date, time, duration, equipment, systems, building, type of malfunction/failure, cause, etc. Malfunctions and availability losses shall be reported to the Government per Annex 5.5.2.

5.5.1.9 Examples

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The following examples are presented in order to clarify the accrual of Availability Losses and Malfunction of various equipment and systems (also, see examples in previous sections of this Annex). The Government neither guarantees nor implies that these examples provide a comprehensive list covering all potential situations, circumstances, or scenarios that may occur.

EXAMPLES:

1) The primary pump in a sewage lift station fails; the secondary pump is able to handle the flow, and the lift station continues to perform its intended function. This situation is defined as, and may accrue as, a Malfunction. The failure to repair the primary lift station in accordance with the repair times listed in Table 5.5-2 would result in the accrual of an additional Malfunction for this lift station.

2) When the repair in example 1 is completed and that particular lift station is restored to normal operation, then subsequently that pump or any other lift station component causes another Malfunction. This situation is defined as, and may accrue as a second Malfunction against that lift station and must meet the repair time listed in Table 5.5-2 in order to avoid the accrual of additional Malfunctions.

3) The potable water system, during normal operations, is supplied water from 2 well house systems, and a third well house system is available as backup. If 1of the operational well house systems fails and the potable water system output continues (i.e., pressure and flow are maintained per output requirements of this contract), then this would be defined as, and may accrue as, a Malfunction against the well house. Failure to repair the well house in accordance with the repair times listed in Table 5.5-2 would result in the accrual of additional Malfunctions for the well house.

4) If all 3 well house systems fail in example 3, including the backup, but system output remains; each of the 3 incidences would be defined as, and may accrue as, a Malfunction against each of the 3 well houses. Repair times listed in Table 5.5-2 must be met to avoid the accrual of additional Malfunctions.

5) The condenser water pump fails, resulting in loss of an entire building chilled water system. This is defined as, and may accrue as, an Availability loss. Failure to repair the pump in accordance with the repair times listed in Table 5.5-2 would result in the accrual of additional Availability Losses for that appropriate Criticality Level.

6) A construction activity under the direction of the Contractor damages a pipe serving make-up water to mechanical rooms, resulting in loss of 2 ea chilled water systems a hot water heating system, and a fire protection system during occupied periods of served buildings/areas. It is the Government's option as to which of the following would occur: Either the

incident would be defined as, and accrue as, a Malfunction against the appropriate Criticality Level of the make-up water piping system, or the incident would be defined as, and accrue as, 3 ea Availability Losses (see 5.5.1.4; maximum of 3 ea) for the chilled water, heating water, and fire protection systems. Regardless, the failure to make repairs in accordance with the repair times listed in Table 5.5-2 would result in the accrual of additional Malfunctions (Availability Losses).

7) A pump bearing failure is detected through a PM or other activity prior to pump failure. The bearing condition is sufficient such that the pump can remain in operation. An outage is coordinated, scheduled and receives CO concurrence. The system is then taken off-line, the repair completed, and the system restored to operation. No Availability Loss or Malfunction would be accrued.

8) A potable water well casing, which is approaching life cycle, experiences sand infiltration. The Contractor has previously and consistently included this item in the assessments, planning and budget request systems. The Contractor immediately notifies the Government of the situation and expedites procurement of water well services to inspect and scope the needed repairs. The well casing is determined to be beyond economic repair, and options and cost estimates are provided for temporary repairs and for well replacement. A “Request for Relief” for this Malfunction should result in avoiding any accrual of the Malfunctions (or Availability Losses).

9) A Criticality Code II air conditioner has experienced 4 ea recurring trips and manual resets over a 2 month period. Each trip occurred as a result of inclimate weather power interruption. A review of all other equipment operating temperatures, flows and safeties identified no other problems. These would be defined as Event Trips, and would not accrue toward Malfunction or Availability Loss.

10) A Criticality Code II air conditioner has experienced 4 ea recurring trips and manual resets over a 2 month period. Each trip occurred concurrent with inclimate weather power interruption. However, the unit is equipped with power loss protection which is designed to automatically reset upon restoration of normal power. Since the power protection device is designed for automatic reset upon restoration of power, it is not functioning properly, and these trips would be classified as Fault Trips. Thus these would be accrued as Malfunctions. On this Criticality Code II unit, this would result in equivalency accrual of 1 Availability Loss.

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ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.5.2	**Document and Report Availability Losses (DR 5-GA08)**	The Contractor shall document and maintain cumulative records on all Trips, Malfunctions and Availability Losses for each availability unit as defined in Table 5.5-1. Records shall be available on electronic format and shall be sufficient such that the Government can determine the date, time, equipment, systems, building, type of malfunction or failure, cause, repair time, etc. Electronic format shall allow sorting by building, system, equipment number where applicable, and date. Records shall be maintained for Accruing and non-accruing Availability Losses, Malfunctions and Trips. Each Availability Loss and Malfunction defined in Table 5.5-1 shall Accrue, unless specifically defined otherwise.	All SFUSS & IAGP Equipment	Records shall be maintained accurate and current and available for Government review upon request. Reports and Metrics of quantities and types of Deferrals shall be maintained. Quarterly Reports and metrics shall be updated monthly, and presented to the Government Cumulative Annual reports and metrics shall be presented to the Government at the end of each contract year.
		Trips, Malfunctions and Availability Losses shall be reported per DR 5-GA08.		Reports shall be accurate and timely.

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SYSTEM	DESCRIPTION	COMMENTS
Electrical 13.8 kV	Electrical 13.8kV Distribution Circuits 11/21, 12/22, and 14/24.	Loss of any portion of a circuit shall be defined as an Availability Loss. Other events which do not inhibit the circuit(s) from delivering continuous power shall be defined as Malfunctions.
Electrical 13.8 kV	Electrical 13.8 kV substations.	Any failure in a building/facility substation high side switch, transformer, service entrance, or main disconnect that results in loss of power to the facility/building shall be defined as an Availability Loss. Other events which do not inhibit the substation from delivering continuous power shall be defined as Malfunctions.
Electrical	Exterior Lighting System	Failure of an entire parking lot or building exterior lighting system to provide the specified foot-candle levels (as defined in SSC 50-002) shall be defined as an Availability Loss. Failure of components within a system (lamp, ballast, reflector, lens, light pole, conductor, conduit, photocell, timer or associated hardware) shall be defined as a Malfunction so long as sufficient lighting is provided for safe ingress and egress.
Electrical	Electric Meters	Failure of an electric meter to provide accurate measurements shall be defined as an Availability Loss. Other events which do not inhibit the meter from measuring accurately shall be defined as Malfunctions.
Potable Water	Potable Water Distribution System	Failure of any portion of a potable water utility system (excludes interior systems) to provide a facility with a continuous supply of potable/fire water shall be defined as an Availability Loss. Failures of a pipes, valve, fittings, valve boxes, valve/pipeline markers or insulation that does not inhibit the system from providing a continuous supply of water to a facility, shall be defined as Malfunctions.

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SYSTEM	DESCRIPTION	COMMENTS
Potable Water	Well houses (Complex #1, 2 & 3 and Pumphouse Complex #3; includes well/casing, pumps, chlorine treatment, meter, elevated storage tanks, valves, etc.).	Failure to maintain flow and to maintain base side pressures at 55 - 65 psig (referenced at wells #1 & 2) and test site pressures at 75 - 85 psig (referenced at storage tank #3) shall be defined as an Availability Loss. Failure of the water treatment system to provide the quality of water that meets the MS Dept. of Environmental Quality standards for chemical dosages and quality control of bacteria shall be defined as an Availability Loss. Failures of pumps, motors, meters, gages, pressure tanks, chlorinators, chlorine cylinders, scales, piping, well casings, fittings, valves, insulation, chlorine alarm detection systems, etc., that do not inhibit the system from maintaining pressure or quality water, shall be defined as Malfunctions.
Sanitary Sewage	Sewage Collection System (excluding Lift Stations.)	Excessive leakage or failure of any portion of a sanitary sewage system to provide continuous service, as designed and required to accomplish transport of wastewater from facilities to treatment systems, shall be defined as an Availability Loss. Other events and failures to piping, valves, check valves, wet wells, dry wells, manholes, sump pumps, vents, blowers, compressors, grinders/comminutors, controls and other appurtenances that do not inhibit the system from transferring sewage from a facility to a treatment process, shall be defined as Malfunctions.

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SYSTEM	**DESCRIPTION**	**COMMENTS**
Sanitary Sewage	Sewage Collection System Lift Stations.	Failure of a lift station to provide continuous service, as designed and required to accomplish transport of wastewater from facilities to treatment systems, shall be defined as an Availability Loss. Other events or failures to pumps, pump motors, fittings, etc. that do not inhibit the system from transferring sewage from a facility to a treatment process, shall be defined as Malfunctions.
Sanitary Sewage	Sewage Treatment System.	Failure of a system to provide wastewater treatment and discharge water quality in compliance with state regulations and permit requirements shall be defined as an Availability Loss. A reportable excursion, for which the State Dept. of Environmental Quality issues a warning, fine or takes other action, **shall be defined as an Availability Loss**. Other events or failures to the main lagoon, polishing marsh, UV disinfection reactor, berms, levies, piping, valves, wiers, controls, and other appurtenances that do not inhibit the system from providing wastewater treatment and discharge water quality, shall be defined as Malfunctions. A reportable excursion for which the State Dept. of Environmental Quality accepts the contractors explanation of causes, and for which the state issues no warnings, fines, or other actions, **will not result in an accrual of a Malfunction or Availability Loss**.

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SYSTEM	**DESCRIPTION**	**COMMENTS**
Sanitary Sewage	Rock-Reed System	Failure of a system to provide wastewater treatment and discharge water quality in compliance with state regulations and permit requirements shall be defined as an Availability Loss. A reportable excursion, for which the State Dept. of Environmental Quality issues a warning, fine or takes other action, **shall be defined as an Availability Loss**. Other events or failures to the septic tank, rock-reed filtration system, UV reactor, berms, levies, piping valves, vegetation and other appurtenances that do not inhibit the system from providing wastewater treatment and discharge water quality, shall be defined as Malfunctions. A reportable excursion for which the State Dept. of Environmental Quality accepts the contractors explanation of causes, and for which the state issues no warnings, fines, or other actions, **will not result in accrual of a Malfunction or Availability Loss**.
Sanitary Sewage	Septic Tank/Field Drain System	Failure of any portion of the system to provide continuous availability of sewage flow and treatment from facilities (excludes facility interior systems) during normal working hours shall be defined as an Availability Loss. Other events or failures to piping, septic tanks, or field drains which do not inhibit the system from providing continuous availability shall be defined as Malfunctions.
EMCS	Apogee Servers, Workstations, Communications Interface Accessories and Equipment.	Failure of the EMCS central operator work station system and equipment to provide reliable, continuous and accurate operation shall be defined as an Availability Loss. Other events or failures to equipment, interconnected wiring, connections, keyboards, monitors, printers, tape/disk drives, power protection devices, hardware, firmware, software and other appurtenances that do not inhibit the Management Level Network and Workstations from providing reliable, continuous and accurate operation, and visibility of the Building Level Network, shall be defined as a Malfunction.

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SYSTEM	DESCRIPTION	COMMENTS
EMCS	Bulding Level Network (BLN) Devices (such as PXCs, MBCs, RBCs, and SCUs), Floor Level Network (FLN), end devices, instrumentation and associated wiring.	Failure of BLN devices to provide reliable, continuous and accurate operation and control shall be defined as an Availability Loss. Other events or failures of components within BLN devices or interconnecting wiring that do not inhibit the controls from providing reliable, continuous and accurate operation, shall be defined as a Malfunction against that individual BLN device. Failure of FLNs, end devices, instrumentation is covered under the availability requirements of the controlled equipment (where applicable).
Fuel Management	Fuel Management Monitoring System	Failure of the Fuel Management Monitoring System to monitor fuel storage tank conditions and report any alarm condition to the PC Host/Central Console shall be defined as an Availability Loss. Failures to be capable of reporting during non alarm conditions, or other events or failures to any interconnecting wiring, connections, keyboards, monitors, tape/disk drives, power protection devices, hardware, firmware, software and other appurtenances shall be defined as a Malfunction against the system.
Natural Gas System	The Natural Gas System.	Failure of any portion of the Natural Gas System to provide natural gas to a facility (excludes facility interior systems) at the designed rate and pressure (based on the designated regulator settings) shall be defined as a Malfunction. This includes events or failures to piping, pipe wrapping, fittings, gages, valves identification markers/labels, blow offs, regulators, valve stations, relief valves, cathodic protections, and other appurtenances.

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SYSTEM	DESCRIPTION	COMMENTS
Interior Electrical	Includes Electrical panels, switchboards (LVSWGR), MCCs, transformers, and appurtenances within a facility.	Failure of a building main breaker to supply building power shall be defined as an Availability Loss. (Fault trips shall be defined as Malfunctions. Failure to reset a breaker trip and restore power in accordance with the time frames allowed shall result in an Availability Loss. Other events or failure to subpanels, breakers, busswork, wiring, controls, outlets, transformers and other appurtenances that do not inhibit the equipment from providing continuous/reliable main power, shall be defined as Malfunctions.
Interior Lighting	Includes all lighting fixtures, ballasts, reflectors, and lenses within a facility.	Failure of an entire lighting circuit shall be defined as an Availability Loss. Individual relamps are exempt from the Availability Table and shall be handled as detailed in section 5.3.7.2 of the contract. Other events, fault trips, failures of ballasts, lenses, wiring, reflectors diffusers, switches, mounting hangers, controls and/or associated hardware that do not inhibit the entire lighting system from providing adequate lighting for safe conditions, shall be defined as a Malfunction. Failure to reset a trip within 3 working hours shall result in an Availability Loss.
Emergency Lighting	Includes all lamps, reflectors, ballast, lens, emergency power supplies, wiring, and associated hardware within a facility.	Failure of an emergency lighting system to energize automatically upon loss of power or loss of normal lighting and provide enough illumination to allow easy and safe egress from the area involved shall be defined as an Availability Loss. Other events or failure of lamps, reflectors, ballast, lens, emergency power supplies, wiring and associated hardware, that do not inhibit the system from operating automatically and providing adequate illumination, shall be defined as a Malfunction. NOTE: Relamps of emergency lighting fixtures shall be relamped within 7 days; relamping completed after 7 days shall result in an Availability Loss.

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SYSTEM	DESCRIPTION	COMMENTS
UPS	Includes UPS equipment, batteries, instrumentation and appurtenances.	Failure of a system to provide, or to be capable of providing, automatic emergency backup power upon failure or outage of the normal power source shall be defined as an Availability Loss. Other events or failure of batteries, rectifiers, inverters, controls, transfer switching devices, protective and auxiliary devices, alarms, wiring, etc., that would not inhibit the system from providing backup power shall be defined as a Malfunction.
Generator	Includes Stationary Emergency Generators, fuel tanks, instrumentation/controls and appurtenances.	Failure of a system to provide emergency backup power when required by design shall be defined as an Availability Loss. Other events or failure of transfer switches, bypass switches, batteries, fuel systems, instrumentation/controls and other appurtenances that do not inhibit the system from providing required emergency backup power, shall be defined as Malfunctions.
Chilled Water & Heating Water Systems	Includes chillers, boilers, pumps, piping, instrumentation, and peripheral equipment.	The uncommanded shutdown of a chiller (boiler), or the failure of a pump that results in the inability to maintain chilled (hot) water temperatures as defined by design, will be defined as an Availability Loss. (Chiller and Boiler fault trips shall be defined as Malfunctions so long as building and servered equipments are able to function without loss of control and/or temperature. Loss of control of the building environment during normal operating hours shall result in accrual of an Availability Loss.) Other events or failures to chillers, boilers, piping systems, pumps, cooling towers, instrumentation, controls and peripheral equipment, that do not inhibit the system from providing chilled (hot) water temperatures as defined, shall be defined as Malfunctions.

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AVAILABILITY
TABLE 5.5-1

SYSTEM	DESCRIPTION	COMMENTS
Air Handling Equipment	Includes AHUs, HVUs, CRUs, DX units, RTUs, fans, blowers, hoods, unit heaters, instrumentation and peripheral equipment.	The uncommanded shutdown of a piece of equipment that results in the inability to maintain building air temperatures and air quality shall be defined as an Availability Loss. **(Nuisance trips** shall be defined as Malfunctions so long as building temperatures are maintained without loss of temperature control or air quality.) Hot/cold calls that require only a thermostat adjustment, or for which the equipment is working within designed operational limitations shall not be reported or affect Availability. Other events, or failures to components, wiring, controls, etc., that do not cause the equipment to "shutdown" shall be defined as Malfunctions.
Refrigeration Appliances & Coolers	Includes Equipment, instrumentation and appurtenances.	Any failure of refrigeration equipment to operate within design conditions shall be defined as an Availability Loss. Other events, or failures to associated instrumentation/appurtenances, that does not inhibit the equipment from operating within design limits, shall be defined as Malfunctions.
Interior Potable Water	Includes distribution piping, valves, pumps, fixtures and appurtenances within a facility.	Failure of any portion of an interior potable water distribution system to provide a continuous supply of potable/fire water shall be defined as an Availability Loss. Other events or failures to eye washes, safety showers, hose reels, wash racks, etc., will be defined as a Malfunction. (NOTE: Interior leaking fixtures, valves, or pipes shall not be defined as Malfunctions.)
Interior Sanitary Sewer	Includes distribution piping, valves, pumps, instrumentation and appurtenances within a facility.	Failure of any portion of the system to provide continuous availability of sewage flow in a facility will be defined as an Availability Loss. Other events or failures to distribution piping, valves, pumps, instrumentation and appurtenances within a facility that do not inhibit the system from providing continuous availability of sewage flow within a facility, shall be defined as Malfunctions. (NOTE: Minor interior drain stoppages, leaking valves or toilet blockages shall not be defined as a Malfunction.)

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AVAILABILITY
TABLE 5.5-1

SYSTEM	**DESCRIPTION**	**COMMENTS**
Interior Natural Gas	Includes distribution piping, valves, regulators and appurtenances within a facility.	Failure of any portion of the interior Natural Gas System in a facility shall be defined as an Availability Loss. Other events or failures to piping, fittings, gages, valves, regulators, relief valves, and other appurtenances, shall be defined as Malfunctions. (NOTE: Leaking valves shall not be defined as a Malfunction.)
Elevators	Includes elevator architectural/structural, mechanical, instrumentation and appurtenances.	Failure of an elevator to transport onboard passengers/freight shall be defined as an Availability Loss. If a person(s) is stuck in the elevator, it shall be defined as an Availability Loss. Other events or failures to the elevator system that do not inhibit the system from transporting onboard passengers/freight shall be defined as Malfunctions. Where two elevators are in immediate proximity, the unoccupied loss of service of one elevator shall be defined as a Malfunction.
Built-In Cranes	Includes all Built-In cranes, monorails, and hoists.	Failure of a piece of equipment to perform a lift when required shall be defined as an Availability Loss. Other events or failures to lifting equipment that do not inhibit the system from performing a needed lift shall be defined as a Malfunction.
Fire Detection and Alarm	Alarm Systems for Fire Detection and Security for each facility throughout the site.	Failure of a system to adequately detect an alarm condition or process an alarm shall be defined as **an Availability Loss**. Other events or failures to initiating circuits, signaling circuits, detectors, signaling devices, radios, interface devices, wiring, antennas, auxiliary relays, annunciator panels, etc., that do not inhibit the system from detecting an alarm condition or processing an alarm, shall be defined as Malfunctions.

ANNEX 5.5
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TABLE 5.5-1

SYSTEM	**DESCRIPTION**	**COMMENTS**
Fire Protection System	Facility Fire Protection System provides for fire protection at each facility.	Failure of a system to provide for the continuous supply of fire protection water to a facility as designed shall be defined as **an Availability Loss**. Other events or failure of piping, valves, sprinkler heads, booster pumps, wet pipe sprinkler systems, dry sprinkler systems, deluge systems, flow switches, tamper switches, fire hydrants and associated hardware, that do not inhibit the system from supplying fire protection water as needed, shall be defined as Malfunctions.
Marine	Marine Tugboat	Failure of the tugboat to transport propellant barges shall be defined as an **Availability Loss (criticality II)**. Failure of the tugboat to support transport of NASA owned barges (hurricane season) to/from the Michoud Assembly Facility or to support resident agency requests, shall be defined as an Availability Loss (criticality III). Other events shall be defined as Malfunctions.
Marine	Bascule Bridge	Failure of the bridge to fully operate, when transporting propellant barges, **shall be defined as an Availability Loss (criticality II)**. Failure of the bridge to fully operate in support of any other activity (including faults that delay automotive traffic) shall be defined as an Availability Loss (criticality III). Other events shall be defined as Malfunctions.
Marine	Navigational Lock	Failure of the lock system to operate when transporting propellant barges, **shall be defined as an Availability Loss (criticality II)**. Failure of the lock system to operate in support of any other activity shall be defined as an Availability Loss (criticality III). Other events shall be defined as Malfunctions.

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TABLE 5.5-1

SYSTEM	**DESCRIPTION**	**COMMENTS**
Marine	Canal System, Waterway Dolphins, Docks, Mooring Devices & Navigational Aids.	Failure of operational personnel to maintain the canal level above 16 feet, 0 inches, shall be defined as an Availability Loss. Failure of a dock system or any mooring devices at a facility, to such an extent that the system is unable to support test activities, **shall be defined as an Availability Loss (criticality II)**. Other failures of any dock system or any mooring devices to fully operate, and other events that do not inhibit the dock system or mooring devices to be fully operational shall be defined as Malfunctions.
Marine	Marine equipment.	Failure of any marine equipment to be fully operational to such an extent that testing is not supported, or is delayed, shall be defined as an Availability Loss. Other events or failures that do not inhibit the equipment from supporting test shall be defined as Malfunctions.
Marine	Piers, canal banks, drainage systems	Failure of any pier, canal bank or drainage system shall be defined as an Availability Loss. Other events or failures shall be defined as Malfunctions.
FCPF	Clean Line	Failure to maintain cleaning levels and/or failure to process a component through the clean line on schedule, due to fault or failure of clean line equipment, shall be defined as an Availability Loss. Other events that do not inhibit the clean line from processing components shall be defined as Malfunctions.
FCPF	Clean Room	Failure to maintain the Clean room to Federal Standard 209E shall be defined as an Availability Loss.
FCPF	Valve Testing Systems	Failure of a piece of equipment to test to design levels and equipment out of calibration shall be defined as a Malfunction.
FCPF	Solvent Stills	Failure of the solvent still to maintain cleaning levels shall be defined as a Malfunction (Criticality Code III).
Machine Shop	All machine equipment	Failure of a piece of equipment in the machine shop that is needed to meet customer demands shall be defined as a Malfunction (Criticality Code III).

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TABLE 5.5-1

SYSTEM	DESCRIPTION	COMMENTS
Fabricating Shop	All fabricating equipment, welding machines, and special tooling.	Failure of a piece of equipment in the fabrication/welding shop that is needed to meet customer demands shall be defined as a Malfunction (Criticality Code III).
NDE	All equipment	Failure of a piece of equipment in the NDE Lab that is needed to meet customer demands shall be defined as a Malfunction (Criticality Code III).

ANNEX 5.5
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Table 5.5-2

Malfunction Conversion & Response/Repair Time Requirements

Criticality Level	Malfunction - Availability Equivalent ❶	Max Repair Time "Malfunction" ❷	Max Repair Time "Availability Loss"
I	3	7 Days	1 Day
II	4	7 Days	1 Day
III	6	14 Days	48 Hr.
IV	6	21 Days	3 Days
V	8	35 Days	21 Days

General Notes

a. Units of time include non-working hours, weekends and holidays, unless specifically noted otherwise.

b. 1 day constitutes 24 hours, beginning at midnight following the time of occurrence or discovery.

c. Criticality Levels are defined in 5.1.6.

d. Initial Response time to Criticality I and II Availability Losses shall be set for Priority 1 (see Annex 5.3). Initial Response to Criticality III and IV Availability Losses shall be set for Priority 2 (or higher).

Notes

1. This number designates the number of malfunctions that will be equivalent to an availability loss against a specific Availability Unit equipment item or system (e.g., 8 malfunctions in a specific Criticality Level II system would be counted as 2 ea. available losses in determining incentive fee.)
2. Maximum time to complete for all malfunctions.

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Table 5.5-3

	Performance Incentive Fee (% of Total Incentive)											
	Quantity of Availability Losses											
Criticality Level	0	1	2	3	4	5	6	7	8	9	10	11
I	10%	5%	0	0*	0	0	0	0	0	0	0	0
II	35%	30%	20%	15%	10%	0	0*	0	0	0	0	0
III	30%	30%	25%	25%	15%	15%	10%	5%	0	0*	0	0
IV	20%	20%	20%	20%	15%	15%	10%	10%	5%	5%	0	0*
V	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	0	0*

* The quantity of Availability Losses is considered unacceptable. Contractor shall develop & present a plan to correct deficiencies & reduce Availability Losses

5.6 OPERATIONS AND MAINTENANCE

5.6.1 General Information

5.6.1.1 Annex Description

This Annex defines the anticipated workload and special requirements for maintenance engineering, operations engineering, and the implementation of required work for the Test Complex, Base, Resident Agencies and others. It is intended that sufficient work will be identified prior to the start of each fiscal year so that a core of dedicated engineers and craft persons will be available to perform Test Complex, Base, and Resident Agency work. This core level of work is identified in the Related Requirements and Information section of this Annex and the System Operation and Maintenance Responsibility Database (SOMRD) (see 5.1.2).

5.6.1.2 Planning

It is the intent of the Government that those maintenance activities that can be planned in advance (i.e. the design and implementation of the annual facility maintenance projects and design work for the Pressure Vessel Recertification Program) will have a work order issued prior to the start of each fiscal year. The Contractor shall work closely with the Contracting Officer to assure a clear understanding of the workload for each fiscal year.

5.6.1.3 Location of Services

The Contractor will be required to perform maintenance work throughout Stennis Space Center. The metes and bounds of SSC are defined in the SSC Master Plan. Delineation of test complex, institutional base, and other areas are clearly defined in the Master Plan (see 5.1.2).

5.6.1.4 Bench Stock

The Contractor shall be responsible to procure and maintain a level of bench stock to support the various kinds of work defined in this Annex, such as machining, welding/fabrication, and in the processing of fluid components Fluid Component Processing Facility (FCPF). The requirements for bench stock are defined in the Related Requirements and Information of each sub-Annex of this Annex. This bench stock is not to be confused with warehouse bench stock as specified in **Annex 6**. Bench stock is defined as material which will turn over at least 3 times per year, cannot be readily obtained through normal purchasing procedures in time to support a need for work requirements, and is not carried as part of warehouse stock or there is a cost savings to the Government due to quantity discounts. Exception to the turnover rate can be made by the Government if the material cannot be obtained and certified for use within a turnover cycle of 4 months.

5.6.1.5 Restrictions, Limitations & Special Conditions

Access Control: The test complexes have strict procedures for daily access to perform work. Delays may be expected for access during testing or data operations. Digging in the test complexes is forbidden on test days without prior approval of

the test stand managers. Obtaining permission for access from the test complex test stand engineers or manager is the responsibility of the Contractor. The Contractor is expected to be flexible to reassign workers to alternate work tasks when access is denied. The Contractor is required to meet the requirements for selected personnel of the Mission Critical Space Systems Personnel Reliability Program when working around or near space hardware.

5.6.1.6 Operation Plan (DR 5-GA15)

The Contractor will write and submit to the CO within 90 days of contract award an Operation's Plan. This Plan is to define how the Contractor will perform the work in this Annex.

5.6.1.7 Documentation

All work shall be accomplished by approved work order. The contractor shall maintain job files for each work request. Documentation shall include drawings or sketches, cost sheets, cost estimates, engineering calculations, bill of material, Certificate of Completion (COC), vendor data, parts books, work orders or other requirements documents, and other miscellaneous job information. This information shall be readily available to the Government and retained by the Government at end of contracting performance.

5.6.1.8 Reporting

The Contractor shall submit the following reports to the Government:

1. Daily, work schedule: This information will be integrated into the site wide **Master Schedule Data (See DR5-GA19)**. It is maintained by others.
2. Monthly: Work Order Completion Report; Backlog Report; Summary Report by Cost Center; Cost of Maintenance by Program and split out into the eight maintenance categories defined by the **NASA NPR Facilities Maintenance Management NPR 8831.2.** The Contractor shall be able to provide cost data for each facility (by facility number) and a lump sum cost for all facilities which do not have facility numbers.
3. Quarterly: Job Completion Report (status of work orders completed during the fiscal year quarter and a summary by backlog of work).

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2	**PROVIDE MAINTENANCE AND OPERATION CAPABILITY**	The contractor shall maintain work capability sufficient to support anticipated base-load work in the test complexes. The crews assigned to support test programs are to be experienced and have a corporate knowledge of the procedures and systems and the knowledge and capability to perform the types of work in the test complexes. It is important that the crews be flexible to changes in work place and be capable of performing the type of work due to daily flexing of test schedules. Daily coordination with test stand managers is mandatory to avoid conflicts with test schedules and other testing functions. Workloads include a combination of very short turn-a-round repairs post test, repairs and fabrications in-situ between tests, and internal repairs and modifications. Overtime, demands for these crews can be high depending on customer requirements and the frequency of testing activities. It is normal practice to provide a repair crew within 1 hour of a breakdown or failure. These repair efforts can range from a few hours to 2 weeks or longer, and may involve an all out effort to complete the repair in order get the test stands back into service.	Historical annual work effort for craftwork is as follows: Base workload in test complex requires:- 15 labor years of welding- 6 labor years of carpenters/ laborers - 3 labor years of expediting/ tool crib effort. Historical peak workload is: - 30 labor years of welding/ fabrication - 12 labor years of carpenters/ laborers - 4 labor years of expediting/ tool crib effort.	The contractor shall be able to respond within 1 hour from notification and be able to provide 24 hours/day repair capability, within 7 days/week period, not to exceed 3 weeks. The contractor shall provide a crew on the job site and be prepared to work continuously until the job is completed. The contractor shall complete all work within schedule. Rework shall not be an excusable delay.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.1	**Provide Fabrication and Welding Capability**	The Contractor shall have the capability to perform shop and field fabrication for the manufacture repair and modification of on-site structures, piping, pressure vessels, equipment and other various fabrications, and assembled items. Welding procedures must be developed if not already available. The Contractor must be able to weld complicated structures and possess the capability to weld various steel alloys and other metals. The Contractor shall be able to provide capability to weld using SMAW (stick welding), GTAW (gas tungsten arc), GMAW (gas metal arc), Flex core, and use other techniques such as silver soldering, arc gouging, and oxygen/acetylene cutting to achieve exceedingly high quality end results. Welding shall pass radiograph, dye penetrate, ultrasonic, acoustic, and other inspection criteria equal to standards of the nuclear power industry. Welders must be certified in order to perform work on the particular work being accomplished. The work consists of fabricating and repairing piping, structures, and components utilizing the latest welding and fabricating techniques. The materials used may be of various metals and other materials including, but not limited to,	The workload for engineering is defined in 5.6.2.4 Minimum Workload: 100 work packages/year (average 385mh/work package including overtime). This equates to the minimum work load defined in the Related Requirements Section. The Contractor shall have the ability to augment the welders to achieve a work load of 150% of the minimum for a period of up to two weeks with a 7-day advance notice.	Unless otherwise stated on the approved engineering packages, all fabrication and welding shall be accomplished in accordance with the SSC Engineering Standards, ASME Unfired Pressure Vessel Code, Division I and II, ANSI or other industry standards. All welding shall be free from defects as determined by inspection procedures and defined in the standards and requirements documents. Initial acceptance rate for welds shall exceed 90%.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.1	**Continuation** **Provide Fabrication and Welding Capability**	stainless steels, aluminum, carbon steel, cast iron, copper, bronze, alloys, Teflon, and non-metallic. The Contractor shall be able to provide pressure vessels to ASME Division I and Division II standards and be ASME certified and stamped with a "U" code stamp for new pressure vessels and an "R" code stamp for repairs to pressure vessels. The work also includes extensive welding in field locations, including welding on and around flight hardware. The welding and fabrication work is normally performed from detailed engineering drawings, sketches, or from a work order that requires the development of a shop work package. Overtime work is common for repair work with 60-hour weeks occurring approximately 10% of the time. Note: this workload is for the test complexes only. Institutional Base work is defined in Annex 5.4	This peak work load may occur up to 4 times in 1 year. Historical work data: The welding/ fabrication personnel have historically been part of the multi-craft capability as defined in Annex 5.6.2.5 with augmentation from the institutional base shop as required during periods of high work load. Maximum work load can be as high as: -Craft Labor straight time = 60,000 mh/yr - Craft Labor overtime = 8,000 mh/yr	A crew shall be available during normal business hours (Monday through Friday) with minimal overtime. The use of alternate work schedule shall be at the approval of COTR

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.1	**Continuation** **Provide Fabrication and Welding Capability**		Minimum work load is anticipated to be at least: Craft Labor straight time = 36,000 mh/yr Craft Labor overtime = 2,500 mh/yr	
5.6.2.1.1	**Reserved**			
5.6.2.1.2	**Operational Requirements**	The Contractor shall provide welding and fabrication capability to perform all requirements associated with fabrication of shapes, repair of structures and components, and fabrication of new structures Special Test Equipment (STE) as defined by the requirements from test programs, base activities and resident agencies at SSC. The Contractor shall determine staffing levels, skill mix, and perform the training and certification required to accomplish work elements identified in this Annex.	Contractor determined	Contractor shall complete all Work Plans within schedule and cost.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.1.2	**Continuation Operational Requirements**	Welding personnel certification requirements must provide assurance that the stringent requirements for precision and weld quality for test programs can be met. Work must pass rigid inspection criteria by methods such as dye-penetrate, ultrasound, hydrates, pneumostatic, acoustic, radiographic, and magnaflux inspections.		
		The requirements for quick turn-a-round repairs and fabrication are common. The Contractor must have in place a work control process and procedure that will assess the prioritization between multiple customers and communication on a daily basis with the customer leads on status and scheduling changes.		
		The contractor shall have the capability to perform field repairs and fabrication of items. The requirements for repairs and fabrications are frequently determined by others, but the method to meet the requirements is the responsibility of the contractor.		
		Major equipment currently available and utilized to perform fabrication and welding operations is listed in Attachment J-1, Institution Provided Government Property.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.1.2	**Continuation Operational Requirements**	Fabrication and welding requirements include the preparation of detailed documents which list the steps required in the fabrication and repair activities. These documents and work plans are required prior to working on any critical system.		
5.6.2.1.3	**Reserved**			
5.6.2.1.4	**Maintain Bench Stock**	The Contractor shall be required to procure and maintain bench stock at the existing value at start of contract. Replenishment shall be by approved work order or by specific funding line item. Bench stock is the fabrication material such as pipe, plate, shapes, welding rod and wire, and other materials which are not unique to any particular job effort but does not include operating supplies. It is intended that bench stock will be a zero cost against shop overhead, which means that any usage must be charged against the shop orders and then reordered to keep the dollar level of the bench stock at the agreed to level. Historically, bench stock value is approximately $75,000. Contractor shall be required to maintain level of clean items according to SSC cleaning standards in the bench stock.	Contractor Determined	Inventory level will be attained within 120 days after contract award. Dollar level of bench stock inventory shall be maintained plus or minus 20% from the inventory value. Inventory level shall not be more than 10% below the baseline value for more than 30 consecutive calendar days in any 6-month period. Inventory mix shall be continually adjusted to fit the current workflow through the shop.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.2	**Provide Machining Capability**	The nature of the mission of SSC requires that many parts and components are manufactured to special order or repaired as required. The Contractor shall have the capability to provide this service in a timely manner in accordance with customer requirements. The Contractor shall have the capability to provide precision machining support in materials such as stainless steel alloys, carbon steel, various alloys, and other metals and non-metallic materials such as Teflon. The work is accomplished by approved work order and as a normal practice is produced from detailed drawings. Tolerances must meet or exceed the accuracy given in the SSC engineering standards SSC Engineering Standard 66-505 or drawings. The contractor shall also be able to produce machined components from sketches or from verbal instructions from the requestor. The Contractor shall produce cost estimates as requested on the work order. This service is normally utilized for quick turn-a-round requirements which cannot be obtained from outside vendors or manufacturers in a timely or cost effective manner.	150 work packages per year. Work packages average 34 mh each. The contractor shall be able to work at 150% of this work rate for a period, not to exceed 2 weeks with 7 days of advance notice. This rate may occur up to 4 times/yr. The historical work load for machining is 3 labor years/year. Peak workload is 6 labor years/year.	Complete all work plans on schedule and in accordance with drawings or SSC engineering standards tolerances.
5.6.2.2.1	**Reserved**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.2.2	**Operational Requirements**	The Contractor shall provide sufficient capability to be able to supply accurately machined parts used in the support of test programs, base activities, other on-site contractors, and tenant agencies at SSC.	Contractor Determined	
		Machining tolerance requirements are stringent for components used in test programs. Components must be manufactured to strict design criteria and pass rigid inspection criteria. It is normal for the machine shop to work to detailed engineering drawings, but sketches or verbal concept requirements may be utilized as deemed necessary. The machinists must be able to interpret sketches and verbal requirement definitions and then be able to manufacture the items in accordance with SSC Engineering Standards.		
		The requirements for quick turn-a-round repairs are common. The Contractor must have in place a work control organization that can assess the prioritization between multiple customers and communication on a daily basis with the customer leads on status and scheduling changes.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.2.2	**Continuation Operational Requirements**	The major portion of work requirements involves work in a machine shop environment; however, there may be minimal requirements for field work. (An example might be to reface a flange surface on a piping system in the field.)		
5.6.2.2.3	**Provide operation and maintenance of machine shop equipment**	Maintain machine shop equipment and tooling. The list of major equipment is listed in Attachment J-1, Institution Provided Government Property. Should the Contractor elect not to utilize any piece or pieces of equipment, the Contractor shall provide a cost estimate to the Government to preserve the equipment in-situ such that the equipment will be preserved for a period of at least 5 years. The Contractor will assess and report on the operating condition of the equipment before it is taken out of service.	Nothing additional	Machine shop equipment and tooling and the work area shall be maintained free of corrosion. Equipment shall be capable of machining to accuracies expected from this age of equipment.
5.6.2.2.4	**Maintain Bench Stock**	The Contractor is required to procure and maintain bench stock at the existing value at start of contract. Bench stock for machining work includes such items such as bar stock, shapes, plate, forgings and other items that fall under the category of bench stock as defined in 5.6.1.4. The Contractor shall manage the bench stock in accordance with **Annex 6** of this Contract.	Contractor determined	Inventory level will be attained within 120 days after contract award. Dollar level of bench stock inventory shall be maintained plus or minus 20% from the inventory value. Inventory level

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.2.4	**Continuation** **Maintain Bench Stock**			shall not be more than 10% below the baseline value for more than 30 consecutive calendar days in any 6 month Inventory mix shall be continually adjusted to fit the current work flow through the shop.
5.6.2.3	**Operate fluid component processing facility (FCPF)**	The Fluid Component Processing Facility currently located in Building 2205 provides extensive component inspection, repair, cleaning, and packaging capability in the shop and in the field. The Contractor shall staff, operate, and maintain this facility in accordance with the sub-elements listed in this Annex.	16,000 tasks/yr. The average task is 2 mh for craft labor. Engineering services should be included in 5.6.2.4.2.	See below
5.6.2.3	**Operate Fluid Component Processing Facility (FCPF)**	Historic work load: 34,000 man-hours/year craft labor; and 13,000 man-hours/year engineering services. See Table 5.6-1.		
5.6.2.3.1	**Reserved**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.2	**Operate Systems and Equipment**	The Contractor is responsible for operator maintenance of the installed and tagged equipment used by FCPF in performing work on components. Equipment used by FCPF is listed in Attachment J-1, Institution Provided Government Equipment.		Equipment and systems shall be operable.
5.6.2.3.2.1	**Operate and Maintain Clean Line**	The Contractor shall operate the clean line that uses chemicals to clean component parts. All materials and chemicals used to operate the clean line are to be charged to this Annex. The Contractor will have an operating procedure that clearly defines safe operation of this system.		Chemicals shall be controlled such that cleaning levels can be obtained.
		The clean room shall be operated by certified technicians and maintained to **Federal Standard 209E, Class 10,000**. The Contractor shall prepare an internal operating procedure to assure that this system will maintain cleanliness of cleaned components.		Cleanliness level shall be maintained. All components shall be cleaned and certified in accordance with requirements as defined in DR6-RA01, engineering SSC Standards SSTD-8070-0089-FLUIDS and STP-8810-0018**.**

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.2.3	**Operate and Maintain Valve Testing Systems**	The Contractor shall operate and maintain the pressure testing equipment for the certified pressure testing of relief valves and other components.		Equipment shall be in calibration and able to test to design level.
5.6.2.3.2.4	**Operate and Maintain the Component Inspection Room**	The Contractor shall operate and maintain an area utilized for the inspection, buy-off and packaging of cleaned components.		Area shall be orderly and components available for Government inspection.
5.6.2.3.2.5	**Operate Installed and NASA Tagged Equipment**	Operate and maintain the equipment listed in Attachment J-1, Institution Provided Government Equipment. If the Contractor elects not to use any piece of equipment, the Contractor shall furnish the Government with a cost estimate to preserve the equipment for a period of 5 years.		The Contractor shall be responsible for inventorying and maintaining the equipment at a 90% availability factor.
5.6.2.3.2.6	**Operate Tubing Manufacturing System**	The Contractor will operate and maintain the tubing manufacturing system that is used to make flared tubing. The FCPF shall have the capability of manufacturing, bending and installing high pressure tubing (up to 15,000 psi working pressure) up to 2 inches in diameter.		The equipment will be capable of a 95% availability factor.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.3	**Capability Requirements: Repair Components and Other Devices on Demand**	The FCPF will receive, inspect, provide ROM repair, test, clean, certify cleanliness, package and ship components/assemblies/ subassemblies and document all inspection, testing and repairs in accordance with SSC engineering standards. In addition to shop work, the FCPF crew will provide field labor to test, and/or remove components to the shop for testing and repair and reinstall the components in the field.	Contractor Determined	All work packages will be scheduled, prioritized in accordance with customer need date and completed within the schedule. Work shall meet or exceed standards, specifications or other requirements.
5.6.2.3.4	**Shop Equipment and Tooling**	**See Attachment J-1, Institution Provided Government Equipment**		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.5	**Purchase and Maintain Soft Goods and Other Bench Stock**	The Contractor shall be required to procure and maintain bench stock at the existing value at the start of the contract. Replenishment shall be by approved work order or by specific funding line item. Bench stock is defined as lox compatible soft goods, miscellaneous soft goods, component repair kits, Teflon, bags, tape, grease, miscellaneous bolts, washers and nuts, miscellaneous tubing fittings, and miscellaneous cleaning supplies which are not unique to any particular job effort but does not include operating supplies. It is intended that bench stock will be a zero cost against shop overhead, which means that any usage must be charged against the shop orders and then reordered to keep the dollar level of the bench stock at the agreed to level. Historically, bench stock value is about $300,000.00.		Inventory level will be attained within 120 days after contract award. Dollar level of bench stock inventory shall be maintained plus or minus 20% from the inventory value. Inventory level shall not be more than 10% below the baseline value for more than 30 consecutive calendar days in any 6 month period. Inventory mix shall be continually adjusted to fit the current work flow through the shop

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4	**Provide Engineering**	There are special requirements for engineering work for test programs and for test complex facility maintenance. These requirements are divided into three areas: Component Engineering, Area Engineering, and Field engineering. The special requirements for each of these requirements are listed in the sub-Annexes below: Historical Work Load Data: Component Engineering: Test Complex – 4.5 WYE Base – .5 WYE Area Engineering: Area Engineering – 1.5 WYE Rapid Designs – 3.5 WYE PVR Program – 3 WYE Drafting Support – 3 WYE Field Engineering Field Engineers – 3 WYE Expediting/Material Gathering – 2 WYE	See Below	
5.6.2.4.1	**Reserved**			
5.6.2.4.2	**Provide Engineering Services**	See below		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4.2.1	**Provide Component Engineering Capability**	The requirements are: 1 Maintain, update, and write specifications for components. These standards are called Standardized Control Drawings (SCDs or commonly called B00-Specs.). The responsibility for selection of components for the correct application and maintenance of all component site standards and procurement specifications falls within this organization. 2 This includes engineering in the FCPF, as such, makes all engineering decisions regarding repair techniques, application of components and piece parts, and disposition of Discrepancy and Corrective Action reports for components. Close interface with shop and quality personnel is required along with good customer relations. 3 This function coordinates the procurement of spare parts for various programs and base side. As part of this effort, maintain a data base on all backlogs of spares requirements, canvas customers annually on their requirements for the next year, and provide a prioritized listing of requirements for spares prior to the start of each fiscal year. The	400 tasks/yr for SCDs 200 tasks/yr in FCPF 1 annual task for spares requirements document	SCDs will be current and changes will be input within 3 months of requirement. Engineering decisions will be completed within 1 day for shop work. Customer coordination will be timely and technically in accordance with SSC standards.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4.2.1	**Continuation** **Provide Component Engineering Capability**	requirements for spares shall be segregated by program. Synergy and commonality between programs shall be cost reduction emphasis. This function shall serve as the advocate for spares procurement and coordinate all annual requirements with the various NASA Program Offices and Construction Group. Construction and maintenance activities shall develop spare parts lists which are divided into large dollar spares, operating spares, and consumable startup items. 4 This function coordinates spare procurements to meet customer needs dates, maintain data based on the status of each item and provides the customer with weekly or monthly updates in delivery information. Depending on the criticality of the customer requirements, this update procedure may be required daily but no less often than monthly. 5 Review shop bench stock and assure that quantities and type of material are adequate to meet the customer needs. 6 Provide cost estimates for repairs.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4.2.2	**Provide Area Engineering Capability**	The following functions are performed: a. Provide design engineering and drafting for the Pressure Vessel Recertification Program; b. Plan and coordinate all facility maintenance projects; c. Provide support to field engineering for maintenance and construction projects; d. Provide coordination and corporate knowledge for all test complex facilities maintenance; e. Provide drafting support for design packages; f. Perform follow-on inspection, corrective action plans for safety discrepancies facility manager program, construction drawings;	a. Designs: 40/year b. Write Shop Packages: 150/year c. Studies, & engineering evaluations: 50/yr d. Work Coordination: 130/yr e. Status Meetings: 52/yr f. Reports: 12/month g. Quick response	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4.2.2	**Continuation** **Provide Area Engineering Capability**	and coordinate the Annual Facilities; g. Maintenance Inspection, Maintain the Backlog of Maintenance (BMAR) databases and develop the maintenance 5-year plan; h. All inspection assessment items shall be planned into the following : a. Initiation of work order to perform; b. Placed in the planned maintenance project list; c. Local C of F project list; d. Urgent matters shall be reported to the government.	/problem solving: 25/yr h. Pressure Vessel initial certifications: 15/yr. i. Recertification: 10/yr. j. Periodic inspections of pressure vessels: 75/yr. k. CADD: 300/yr.	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4.2.3	**Provide Field Engineering Services**	The Field Engineering function is responsible for managing, planning and implementing craft type work in the test complexes. These functions are critical functions and require extensive maintenance and construction experience on high pressure gas, liquid and cryogenic systems. The field engineer are responsible for assuring that work is accomplished in accordance with the work packages or designs and that the end product of the work meets or exceeds the requirements. Required personnel qualifications shall be compatible with **Annex** 3.	380 tasks/year	Complete all tasks within schedule and cost.
5.6.2.5	**Provide Multi-Craft Capability**	Craft capability is required to implement repair and construction projects and to perform normal maintenance activities in the Test Complexes. The work is normally quick turn-on and completion in nature. The expediting, field warehouse, tool crib, bench stock, and storage yard. All of these activities are for quick response capability and to manage and implement the basic workload within the test complexes.	380 tasks/year plus 150 tasks/year for minor maintenance trouble calls.	All tasks shall be completed within the scheduled completion date and the quality of work shall be in accordance with specifications and site wide standards.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.5	**Continuation** **Provide Multi-Craft Capability**	Minimum work load: 6 WYEs - carpenters/laborers, 5 WYEs electricians, 1 WYE tool crib person, 1-1/2 WYEs expeditor/runner, 3 WYEs painters. Demand work is additive to the minimum workload and is unknown for future requirements. In addition to the personnel in the test complex, support is required for rapid response from the base shops. For example, support is required from heavy equipment, carpentry, high voltage electrical, mechanical plumbing, roads and grounds, and other various shops.		
5.6.2.5.1	**Reserved**			
5.6.2.5.2	**Craft Capability Requirements**	Craft persons must be highly skilled in their respective trades and be trained and certified to operate equipment and perform work to detailed specifications, work plans and blueprints. Workers assigned to the test complex must be knowledgeable of the access control procedures.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.6	**Reports and Submits**	5 year maintenance plan for test complexes. Annual facility inspection data sheets. Backlog of Maintenance (BMAR)-update 4 times/yr. Project Status List (monthly). Provide project list/spreadsheet by priority for all planned projects. Annual plans are as follows: Planned Maintenance Projects Local C of F Construction Projects C of F Projects Report to the government of any unfunded "urgent" issues	See Annex 5.7	See Annex 5.7
5.6.2.7	**Schedules**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.7.1	**Prepare a 3-Week Schedule, Available Online**	The Contractor shall prepare a 3-week work schedule (status of previous week, current week, and next week.) for all operation, recurring work, contractor generated work orders, preventive maintenance, predictive maintenance, corrective maintenance, grounds maintenance, construction activity, and other SWRs. The schedule shall include the work order number, location (specific location description to permit the Government to inspect the work), start date, and end date. It should be sorted by area (A-complex, B-complex, E-complex, and Support Facilities). Weekend work shall be included.	52 schedules	The schedule shall be available by 7:00a.m., every Monday and updated as changes occur.
5.6.2.7.2	**Prepare a Daily Schedule, Available Online**	The Contractor shall prepare a daily schedule that covers the same types and categories of work as indicated in section 5.6.2.7.1 and shall contain the same information.	Shall be provided in the same report delivered in section 5.6.2.7.1.	The schedule shall be available on line by 3:00 p.m. each afternoon for the next scheduled work day.

TABLE 5.6-1
FABRICATING SHOP EQUIPMENT

COMPONENT	NUMBER OF COMPONENTS PROCESSED (FY 06 ACTUAL)
HAND VALVES < 1.5”	519
HAND VALVES > 1.5”	20
MOTOR VALVE	75
LOX PUMP	0
RELIEF VALVE PILOT	1
RELIEF VALVE NON-PILOT	311
REGULATOR	241
SOLENOID VALVE	125
CHECK VALVE	117
BALL VALVE	32
SHUTTLE VALVE	1
PCV VALVE	6
FLEX FLOW VALVE	5
FILTER	67
EXPANSION JOINT	11
Z-BAFFLE	3
GATE VALVE	4
OTHER COMPONENTS	54

TABLE 5.6-1
FABRICATING SHOP EQUIPMENT

COMPONENT	**NUMBER OF COMPONENTS PROCESSED (FY 06 ACTUAL)**
TOTAL	**1,592**
OTHER ITEMS (QUANTITY)	
FLEX-HOXES	231
PIPE	144
TUBING	2,076
MISC.	24,833

Notes:

- Flex hoxes ranged in diameter form 0.25” to 2” with an average length of 12’ (equivalent of 876 feet for FY97)
- Pipe ranged in diameter from 1.5” to 12’ with an average length of 10’ (equivalent to 300 feet in FY97)
- Tubing ranged in diameter from 0.25” to 2” with an average length of 6’ (equivalent to 9,786 feet for FY97)

ANNEX 5.7
SYSTEM ENGINEERING
FACILITY MAINTENANCE AND OPERATIONS
FACILITY INSPECTION PROGRAM AND PLANNED MAINTENANCE

5.7.1 Annex Description

This Annex identifies the requirements for Systems Engineering and for the annual visual inspection of the structures, facilities, utilities, systems and subsystems (SFUSS) at Stennis Space Center (See 5.1.2). to meet the intent of NPR 8831.2D. The results of the inspection are compiled and summarized in the Backlog of Maintenance and Repair (BMAR) databases. The BMAR databases shall also contain all equipment and facility systems that are no longer economical to repair or are within 5 years of expected service life. There are two databases, one for facilities and equipment within the Test Complex and the second for institutional facilities and equipment. The BMAR database shall then be used as a basis for the Annual work plans, from which the planned maintenance projects are funded.

This Annex also identifies specific maintenance that occurs on a recurring cycle of one or more years.

5.7.2 Definition of Terms

Backlog of Maintenance and Repair (BMAR): The unfunded facilities maintenance work required to bring facilities and collateral equipment to a condition that meets acceptable facilities maintenance standards.

Collateral Equipment: See definitions in Annex 5.1.

Common Use Areas: Facilities and/or portions of facilities, to which access is afforded and which are constructed, maintained and operated specifically for, but not incidental to, the benefit of all SSC residents. Common use areas include entry and hallways, stairs and stairwells, restrooms, and vending areas within dedicated facilities. Access restrictions, for security or other reasons, do not alter this definition.

Equipment: For purposes of this Annex equipment is defined to mean collateral equipment.

Facilities: A facility is an enclosed structure to protect personnel, material or equipment from the elements and provide associated work or storage space. For purposes of this contract, a facility includes the utility systems inside the building/structure and extends five feet from the facility or as otherwise defined.

Architectural. Includes (interior/exterior): doors; windows; flooring (coatings and coverings); stairs and stairwells; interior walls, ceilings, and partitions.

Structural. Includes foundation; structural system; building shell; roof; external attachments (e.g. walkway covers, overhangs, loading docks, etc); and facilities water collection and drainage system.

Electrical: Includes: electrical wiring and lighting, hardware, and panels; power for equipment up to the point of disconnect, grounding or lightning arresting systems; alarm systems and communication equipment (excluding telephones).

Mechanical: Includes all equipment, components and controls associated with the following systems as well as components

located outside the facility: HVAC; plumbing; compressed air; steam; fire suppression; gas; boilers, furnaces; and generators.

Building Specialty: Includes: installed equipment within the facility such as food service and processing equipment; appliances; elevators; automatic doors; roll-up doors; blast doors; vehicle gates; waste disposal equipment; shop equipment and hoists.

Institution or base: For purposes of this contract Institution and Base are used interchangeably. Institution refers to those facilities and equipment that are in the fee area, west of a line parallel to and 1000 feet west of D road and excludes all Test Complex structures, facilities and utilities, and the Army Complex.

Planned Maintenance Projects: A project which is approved and funded for a fiscal year as a result of the comprehensive inspection process **(5.7.3.2 - 5.7.8)** or as designated by the CO.

Structures: A structure is a constructed unit established for a designated objective. Structures that are part of or inside a facility are included with the facility. For purposes of this contract, structures are generally described as:

Allowing pedestrian and vehicular transportation. Includes roads and parking areas, paved or gravel surfaces, curbs, shoulders, guard rails, medians, wheel stops, walkways, bridges, sidewalks, and associated hardware.

Preventing access and maintaining privacy. Includes fences, gates, barbed wire, grounding systems, planters, bollards, chains, and associated hardware and attachments.

Retaining or directing natural elements. Includes culverts, drainage systems, gravity storm water systems, retaining wall, bulkheads, landscaped borders, head walls, rip rapped areas, retention/detention ponds, spillways, canals, navigational lock, catch basins, and oil/water separators.

Providing information. Includes signs, pavement markings, flag poles, displays, historical markers, monuments and associated equipment.

Other: Boat ramps, docks, landfill, and associated equipment.

System Engineering: A system engineer is a technical expert with operational/maintenance authority and responsibility over an assigned system(s).

Test Complexes: For the purpose of this contract, all facilities, equipment and land east of a line parallel to and nominally 1,000 feet west of D road and extended to the ARMY complex.

Utility Systems: A utility is a system for collecting or distributing services between a common point and specific locations both above and below ground. See Annex 5.1, Table 5.1-1 for descriptions of utility systems.

ANNEX 5.7
SYSTEM ENGINEERING
FACILITY MAINTENANCE AND OPERATIONS
FACILITY INSPECTION PROGRAM AND PLANNED MAINTENANCE

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.3	**System Engineering**	The Contractor shall provide System Engineering for the following Systems: a. Architectural/Structural b. Civil c. Electrical, Low Voltage d. Electrical, High Voltage e. HVAC f. Building Automation Systems (BAS or EMCS) Mechanical	5 man-years of effort.	Maintain qualified System Engineering personnel. Accomplish all requirements items.
		A System Engineer shall be a degreed engineer from an accredited university with 3 years minimum experience in the area of system(s) assignment, or shall be a system expert with a technical degree and 10 years minimum experience in the area of system(s) assignment.		
		See Annex 5.4 for additional High Voltage Engineer Operations Requirements.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.3	**Continuation System Engineering**	Systems Engineers shall be able to communicate effectively across a broad range of organizational levels, including managerial, supervisory, technical, and crafts personnel. Systems Engineers shall be capable of making effective technical and managerial decisions in regard to the operation and maintenance of their assigned system(s) and shall be knowledgeable regarding industry practices, tools, shops and training.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.3	**Continuation System Engineering**	Systems Engineers shall perform the following services: a. Act as technical expert and manager over system(s); includes maintaining a broad knowledge of related work issues, such as environmental and safety requirements, systems integration, monitoring, and metering concepts. b. Maintain state-of-the-art technical expertise in assigned systems; maintain knowledge of current trends in industry through a review of technical publications, attendance of trade shows, manufacturer product briefings and literature, and other continuing education methods. c. Track and manage major activities for system(s), including preventative maintenance, corrective maintenance, operations, and monitor construction and modifications. d. Review and adjust priorities of corrective maintenance to comply with minimum requirements of contract. e. Prioritize the sequence of work to be accomplished by shops as needed to satisfy customer and program		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
		critical objectives f. Review and adjust CMMS equipment information and system Critically Code assignments. g. Review CMMS and PT&I data to identify key areas for improvement in maintenance programs. h. Review and adjust CM methods and PM programs to optimize costs, comply with work quality and time constraints, and to maintain Availability; include (minimum) annual review of RCM and PT&I practices, recommend adjustments to content and frequency of tasks. i. Determine method of work accomplishment, such as use of site shop capabilities vs. outsources contract and repair vs. replacement. j. Ensure that all Maintenance work complies with configuration control requirements. k. Initiate work orders and monitor Design Engineering EMI Package development in support of Maintenance and Configuration control. l. Develop minor EMI/Sketch packages in support of		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.3	**Continuation System Engineering**	Maintenance activities. m. Prepare justifications and documentations to support System Engineering decisions. n. Prepare and deliver System Engineering technical and managerial presentations. o. Interface with and provide technical advice to Test Complex Area Engineers. p. Brief and keep NASA Technical Monitor(s) updated on system(s) status and key events. q. Review all Design Engineering EMI Packages associated with System Engineer assignment. Attend Design Reviews. r. Consult with Design Engineering, NASA Project Managers and Resident Agencies in establishing Project Requirements and resolving technical issues on refurbishments and new construction. Act as technical expert in consulting to provide for compliance with site standards, advocacy for LEED, Commissioning, Maintainability, and Sustainability and to integrate on-going lessons-learned from maintenance.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.3	**Continuation** **System Engineering**	s. Act as technical consultant to Construction Field Personnel. t. Assist in the troubleshooting and resolution of systems; recommend and locate outsource technical resources. u. Develop scope, work statements, specifications and packages for procurement of outsource technical consulting, operation/repair, or other services. v. Provide input for Impact Statements for addition and removal of systems' equipment from the contract. w. Provide training plans, tool requirements, and provide shop set-up technical recommendations relative to assigned system(s). x. Perform and oversee systems' equipment tagging and input into the CMMS. y. Perform Inspections and Planning in accordance with Annex 5.7 requirements.		

ANNEX 5.7
SYSTEM ENGINEERING
FACILITY MAINTENANCE AND OPERATIONS
FACILITY INSPECTION PROGRAM AND PLANNED MAINTENANCE

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.3.1	**Inspections**	**Limitations and Restrictions** In Resident Agency occupied buildings, inspection of interior architectural systems in a facility is restricted to common use areas (This restriction is not applicable to NASA occupied buildings).		
5.7.3.2	**Develop a Comprehensive Inspection Plan and Schedule. Update the Schedule Annually and Whenever Changes occur (DR 5-FA03)** **Provide a Separate Schedule for the Test Complex and the base**	The Contractor shall develop an inspection plan and schedule for all SFUSS. The plan shall include inspection criteria in the form of checklists specific to the system being inspected.	1 Plan	Provide the plan and schedules to the CO within 60 days of contract award.
			2 schedules – 1 for the Test complex and 1 for the Institution.	Updates shall be submitted to the CO annually, thereafter and 15 days prior to any change in the schedule.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.3.3	**Conduct an Annual Inspection of SFUSS in Accordance with the Inspection Plan and Schedule Defined in 5.7.3.1.**	The purpose of the inspection is to obtain maintenance and repair information. This inspection shall not relieve the Contractor from establishing and implementing a continual inspection program for the timely identification of an occurrence of maintenance and repair work within the scope of this contract.	Contractor determined.	All inspections shall be completed no later than 1 February of each year
		Conduct a thorough visual inspection of each and every component of the required system, entering all accessible areas including crawl spaces, manholes, suspended ceilings, etc.	Extent of SFUSS to be inspected is found in the following:	
		The inspection shall include code compliance issue. Identify all work necessary to bring the structures, facilities and utilities into compliance with health, fire, and safety codes.	SORD drawings located in the CEF	
		Individuals conducting inspections shall be technically knowledgeable of the system being inspected.		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.4	**Record Deficiencies in the Backlog of Maintenance and Repair (BMAR) Databases**	All deficiencies identified during the course of the inspections shall be documented and summarized in the existing institutional and test complex BMAR databases. ROM estimates shall be provided and will be used for planning purposes only.	Contractor determined	Database information shall be available to NASA upon request.
		See Exhibit 3 of this Annex for a description of the BMAR database and field values.	Previous BMAR databases and Facility Inspection Sheets are available in the TRL	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.4	**Continuation** **Record Deficiencies in the Backlog of Maintenance and Repair (BMAR) Databases**	Review pertinent data/information sources such as maintenance history files, logs/reports, maintenance technicians, etc to ascertain overall condition and maintenance trends (equipment replacement, re-roofing, flooring replacement, paint, etc) and incorporate in the BMAR databases those structures, facilities, utilities, systems and equipment that should be replaced or that are within 5 years of expected service life.		
		The Contractor shall remove duplicate records from the databases prior to submitting to the government.		
5.7.4.1	**Update the BMAR Databases**	As work identified in the BMAR is accomplished the corresponding record shall be removed from the active database and archived.	Nothing additional	The BMAR databases shall be available for review on request.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.4.2	**Record Information in the BMAR databases**	Defects identified in the course of conducting the annual inspection shall be recorded for the following systems: . Mechanical . Electrical (Low & High voltage) . Architectural/Structural . HVAC Drawings for the other systems are generated by the Contractor to identify the location and specific information relating to the nature of the defects.	Nothing additional	Provide as supporting documentation as indicated in **5.7.4.**
5.7.5	**Prioritize and Submit the BMAR Databases as Indicated**			
5.7.5.1	**Provide Maintenance Planning/Test Complex (DR 5-FA01)**	The Contractor shall prioritize those projects in the Test Complex BMAR database that should be considered for funding in the following fiscal year. Selection should take into consideration; mission impact, length of time a project has been deferred, and prioritization.	Planned Maintenance Plan submitted annually	Submit the Annual and 5-Year Planned Maintenance Plans and the BMAR database no later than March 1 of each year in an electronic spreadsheet format that is compatible with SSC site standards.
		Annual historical budget: $1,000,000.	1 Five Year Plan submitted annually	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
		The Contractor shall project requirements for Planned Maintenance Projects for 5 years.	BMAR database, current as of March 1 of each year	
5.7.5.2	**Provide Maintenance Planning/Institutional**	The Contractor shall prioritize the projects in each system. In addition, the contractor shall determine an overall ranking in order to establish the Annual Planned Maintenance Plan. Selection should take into consideration; mission impact, length of time a project has been deferred, and prioritization. Annual historical budget: $800,000. All BMAR projects fall within the following systems (SYSTEM is a field in the BMAR database with specific designated values – see Exhibit 3). . Roofs . Sidewalks . Roads and Parking Lots . Sanitary and Storm Sewer Systems . Hi-voltage System . Electrical systems . Exterior Paint . HVAC . EMCS . Natural Gas Systems . Perimeter and Security Fencing . Mechanical Systems . Architectural	1 Annual Planned Maintenance Plan – submitted annually BMAR database, current as of March 1 of each year.	Submit the prioritized BMAR database and recommended Annual Planned Maintenance Plan in an electronic spreadsheet format consistent with SSC site software standards no later than March 1 of each year.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.6	**Provide Cost Estimates for Each Planned Maintenance Project Approved by the Government for the Following Fiscal Year**	The government will evaluate the Contractor's recommendations and will notify the Contractor which projects are approved for design and detailed cost estimate by May 1 of each year.	The Contractor shall cost the design and estimate of Planned Maintenance Projects based on the following historical budgets: Test Complex: $1,000,000 Institution: $800,000	Estimates for each project shall be submitted no later than August 1 of each year.
5.7.7	**Programmed Maintenance**			
5.7.7.1	**Develop and Maintain Database Which Accurately Defines Each Programmed Maintenance Task**	Programmed maintenance shall be identified, classified as to frequency required and a traceable record of accomplished tasks maintained. Programmed maintenance tasks shall be submitted to NASA Technical Operations Office at the start of each fiscal year for review.	Institution: Tasks/year Dependant on funding	Data base shall be updated monthly and be available for NASA review. Data base shall be developed and become part of the Contractor's maintenance program within 60 days after contract award.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.7.7.2	**Annually Update the Programmed Maintenance Database to Include New or Modified Installations and Equipment**	By the start of each Fiscal Year, the Contractor shall have an approved list of Programmed Maintenance items that will be accomplished during that Fiscal Year	1 Task	All New and Modified facilities, systems, equipment, and sub-systems shall be included in the data base by the October 1.
5.7.8	**Accomplish Planned Maintenance Projects.**	Annually, the Contractor shall develop a list of planned maintenance projects and submit the list to the CO for NASA review and approval. The list includes all planned projects for Institution and a separate list by Program for the various Test complexes. On completion of the NASA review, and the assignment of appropriate funding, the Contractor shall implement each of the projects in accordance with a schedule developed by the Contractor. All projects on the list will be completed and costed during the fiscal year unless a waiver is given.	Historical Annual Planned Maintenance ProgramTest Complex: $1,000,000 Institution: $800,000	Planned Projects shall be submitted to NASA for review in accordance with item Annex **5.7.5.1**. All approved projects will be completed and costed during the fiscal year.
5.7.9	**Accomplish Demand Planned Maintenance Projects**	Implement modifications, repairs, and maintenance projects as defined by SWR for NASA programs, resident agencies, and construction of Facilities (CoF) support. Average 54 hr. task based on historical information.	Minimum 1,500 tasks Maximum 1,900 tasks	All approved projects shall be completed and costed in accordance with the Stennis Work Request. Documentation completed as

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
				required by SSC standards. Satisfied customers.

ANNEX 5.7
FACILITY INSPECTION SHEET
FIGURE 5.7-1

FACILITY INSPECTION SHEET

IDENTIFICATION NUMBER

EQUIPMENT NUMBER

INSPECTOR

FACILITY IDENTIFICATION NUMBER
as per real property records

PROJECT TITLE:

SYSTEM IDENTIFICATION:

This section may be customized for a specific system

SUB-SYSTEM/OR OTHER DATA:

This section may be customized for a specific system

LOCATION:

INSPECTORS' ASSESSMENT OF URGENCY TO REPAIR:

EMERGENCY

ROUTINE

URGENT

DISCRETIONARY

PRIORITY

DEFERRED

SKETCH

WHAT MAINTENANCE IS REQUIRED?:

(Draw a sketch if needed for clarification. Use a continuation sheet if additional space is required.)

This section may be customized for a specific system

DEFICIENCY / SOLUTION:

ESTIMATED MANHOURS

FY NEEDED

FUND SOURCE

CLOSE-OUT DATE

ACTUAL COST

Labor
Material
Engineering
Documentation

TOTAL ROM COST

ANNEX 5.7
FACILITY INSPECTION SHEET
FIGURE 5.7-1

FACILITY INSPECTION SHEET

IDENTIFICATION NUMBER

EQUIPMENT NUMBER

INSPECTOR

FACILITY IDENTIFICATION NUMBER
as per real property records

PROJECT TITLE:

SYSTEM IDENTIFICATION:

This section may be customized for a specific system

SUB-SYSTEM/OR OTHER DATA:

This section may be customized for a specific system

LOCATION:

INSPECTORS' ASSESSMENT OF URGENCY TO REPAIR:

EMERGENCY

ROUTINE

URGENT

DISCRETIONARY

PRIORITY

DEFERRED

SKETCH

WHAT MAINTENANCE IS REQUIRED?:

(Draw a sketch if needed for clarification. Use a continuation sheet if additional space is required.)

This section may be customized for a specific system

DEFICIENCY / SOLUTION:

ESTIMATED MANHOURS

FY NEEDED

FUND SOURCE

CLOSE-OUT DATE

ACTUAL COST

Labor
Material
Engineering
Documentation

TOTAL ROM COST

ANNEX 5.8
GROUNDS MAINTENANCE AND INTEGRATED PEST MANAGEMENT SERVICES

5.8.1 SCOPE OF WORK

5.8.2 GENERAL REQUIREMENT

5.8.2.1 Management and General Requirements

The Contractor shall furnish all resources as specified **in Annex 1**.

5.8.2.2 Drawings

Lists of drawings identifying exact locations of the areas to be maintained are specified in EMI NC/GM/1000R & NC/HB/2000. These drawings are located in the Central Engineering Files (CEF). The Contractor shall check all drawings upon receipt and shall promptly notify the CO of any discrepancies. The Contractor shall compare all drawings and field verify the maintenance areas and contract quantities before laying out the work and shall be responsible for any errors which may have been avoided otherwise.

5.8.2.3 Work Progression

Mowing, once begun in a designated area, shall be completed as specified prior to proceeding to another area unless otherwise directed by the CO.

5.8.2.4 Schedule

The Contractor shall schedule and arrange work so as to cause the least interference with the normal occurrence of Government business and mission in those cases. Where interference is unavoidable, the Contractor shall make every effort to minimize the impact of the interference and its effects.

5.8.2.5 Controlled Access

The Test Complex, Area B, is a security-controlled area which requires access approval from the Test Complex Access Coordinator. The week prior to a scheduled service, access to the Test Complex shall be coordinated. If the test schedule causes previously approved access to be denied, the contractor shall coordinate a new date with the Test Complex Access Coordinator. If the new date is within 5 calendar days of the next scheduled mowing service, the contractor shall mow the area, skip the next scheduled date and then resume the normal mowing schedule.

5.8.2.6 Pesticides

The Contractor shall be licensed by the applicable state agency to provide pest control in the categories specified in this contract. All work shall be in accordance with federal, state, local and installation laws and regulations. All tanks, hoses, pumps, control valves, and gauges shall be free of visible deterioration, shall not leak, and shall operate at the manufacturers recommended rates and pressures. Equipment, which has failed, shall be replaced and/or repaired by the Contractor prior to resuming operations.

5.8.2.6.1 Control Methods

The Contractor shall utilize only pesticides registered by the Environmental Protection Agency and applicable state lead agency for the use intended. All pesticides, rinse water, and containers shall be disposed of in accordance with label directions. Pesticides, rinse water, and container shall not be disposed of on the Center. Pesticide spills shall be cleaned, decontaminated, and reported to the Environmental Officer. Pesticides shall not be mixed or stored on site.

5.8.2.6.2 Security

All pesticides carried on vehicles shall be secured in locked compartments at all times. Vehicles shall not be left unattended at any time unless properly locked and secured.

5.8.2.6.3 Certifications

All work involving the handling and or use of pesticides shall be performed by a certified applicator.

5.8.3 DEFINITIONS

Debris: - Debris includes, but is not limited to, paper, cans, bottles, limbs and branches, pine straw and pine cones, leaves, rocks, and other similar items. Construction debris is excluded.

Integrated Pest Management: - The utilization of control measures coordinated for overall environmental protection so as to reduce pest numbers to a controlled level without adverse effects to the surroundings.

Maintenance Level: - A designation used to specify the frequency of services and type of grounds maintenance required.

Mowing - Mowing shall include cutting and trimming, within the designated area, all grasses, weeds and other vegetation, which is 1 inch, or less in diameter (at ground level).

Pruning: - Pruning is selectively removing unwanted growth to make a plant or tree grow or respond in a desired manner. Pruning differs from 'shearing'. Pruning involves selection and judgment. 'Shearing' means clipping all growth on a plant at a uniform distance and shape.

ANNEX 5.8
GROUNDS MAINTENANCE AND INTEGRATED PEST MANAGEMENT SERVICES

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.4	**PLANS, REPORTS, AND SUBMITTALS**			
5.8.4.1	**Grounds Maintenance Plan and Work Plans**	Develop, submit and maintain as required in the DR. Implement procedures and changes to insure SSC compliance with the Executive Memorandum titled "Environmentally and Economically Beneficial Practices on Federal Landscaped Grounds."(See DR 5-GA16)	1 Plan, annual work plan, and monthly work plans.	Plan to include all requirements in items 5.8.5.
5.8.4.2	**Integrated Pest Management Plan and Work Schedules**	Develop, submit and maintain as required in the **DR. 5-GA17**. Utilization of beneficial predatory insects and other biological controls shall be considered whenever possible.	1 Plan, annual inspection schedule, monthly treatment schedules	Plan to include methods and procedures for items **5.4.3** and **5.6**
5.8.4.3	**Pesticide Labels, MSDS, and Usage Reports**	**DR 5-GA21**	Per DR	Submit as required
5.8.4.4	**RESERVED**			
5.8.5	**GROUNDS MAINTENANCE**			
5.8.5.1	**Dispose of Debris**	All rubbish, debris and trash removed from the maintenance area shall be disposed of in the SSC landfill(s) in accordance with Landfill Operation Procedures.	Contractor determined	No instance of non-compliance

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.2	**Obstructions**	Portable items such as trash containers and other similar items may require temporary relocation by the Contractor to properly maintain grounds areas. All drains, ditches, and pipes which become obstructed with accumulated grass clippings, soil, mulch, and other material resulting from performance of work shall be cleaned.	Contractor determined	No instance of non-compliance
5.8.5.3	**Standing Work**			
5.8.5.3.1	**Remove Debris**	Remove debris from parking lots, landfill, building entrances, and sidewalks.	1,415,000 SF	Area shall remain free of visible debris and litter
5.8.5.3.2	**Accomplish Emergency Clean-up**			
5.8.5.3.2.1	**Corrective Action (Non Disaster)**	Includes removal of debris such as fallen trees and branches that present an immediate danger to customers. Locations will be provided by the CO.	10 requests annually	Begin clean-up within 1 hour of notification
5.8.5.3.2.2	**Emergency Clean-up as a Result of Hurricanes, Tornadoes, Floods, or other Disasters**	This work requires immediate response and sustained effort to minimize the effects of the disaster on SSC operations.	As Required	Meet performance requirements in the SWR and/or minimize disaster effects.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.3.3	**Building 2120 - Child Care Center; Replenish Wood Chips to Provide a Fall Zone Around Equipment**	Add sufficient wood chips under and around play yard equipment to establish a depth of one foot. Do not bury debris.	1,300 SF	Accomplish annually, in April or May
5.8.5.3.4	**Special Events**			
	Special Events Addressed in This Section Are Those That Occur from March 15 Through November 15 **Special Events Occurring at Other Times Shall Be Performed as Indeterminate Work (See 5.8.7).**	Special events to be held in a specific area will require coordination of clean-up, mowing, and trimming actions. When such coordination is required, the specific location and date will be provided by the CO no later than 4:00 p.m. Thursday of the week prior to the event. This work does not represent an increase over the grounds maintenance provisions of paragraph **2.5.4**. The Contractor shall delay the maintenance of an area or substitute for the next scheduled maintenance as directed by the CO.	Nothing Additional	
	Remove Debris	The Contractor shall schedule/accomplish clean-up services to the area no earlier than 24 hours and no later than 3 hours prior to the scheduled event.	Nothing additional	No visible debris
	Mowing and Trimming	The Contractor shall schedule/accomplish mowing and trimming services to the area no earlier than 48 hours and no later than 24 hours prior to the scheduled event.	Nothing additional	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.3.4 Cont.	**Relocate Event Articles**	The contractor shall schedule/accomplish relocating trash receptacles, picnic tables, tables, grills, and other articles to the area no earlier than 24 hours and no later than 3 hours prior to the scheduled event	Nothing additional	
5.8.5.4	**Recurring Work (DR5-DM01)**	Provide the following Grounds Maintenance Services during the period March 15 through November 15, unless otherwise specified.		
		When not in use, maintenance equipment should be removed from high traffic areas.		
		The total acreage to be maintained is categorized into 4 maintenance levels: 1) Prime Cycle - Administrative Areas, Area A 2) Prime R/W Cycle - Prime right-of-way (R.O.W.), Area B buildings, and other base buildings 3) Secondary Cycle - Secondary R.O.W., Areas A and B 4) Secondary R/W Cycle - Unimproved areas, Areas A and B		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.1	**Mowing**	Mowing methods shall not include use of animals. Prior to mowing, the Contractor shall remove debris and trash from maintained areas. Mowing along major roads - HWY 607, Shuttle Parkway, Balch Blvd, and Saturn Drive shall not be permitted during the hours of 7:00-8:30 a.m. and 3:15-4:30 p.m., Monday through Friday. Roadway shoulders shall be maintained to include the areas from the bottom of the ditch, or the level of water if filled to the edge of the dirt, gravel, asphalt roadway surface, or concrete curb as applicable. Ditches shall be maintained to include the ditch bottom, if dry, or to the level of water if filled.		Mow the areas designated on the Grounds Maintenance Drawings at the frequencies indicated below:
5.8.5.4.1.1	**Mowing, Prime Cycle**	Any holes shall be filled prior to mowing. Mowing shall be accomplished free of scalping, rutting, bruising, and uneven and rough cutting. Grass clippings shall be uniformly distributed over the mowed area and shall not be windrowed or deposited in piles or clumps.	96 acres	Weekly, (5-7 calendar days)
5.8.5.4.1.2	**Mowing, Prime R/W Cycle**	Mowing shall be accomplished free of scalping, rutting, bruising, and uneven and rough cutting.	210.5 acres	Bi-weekly (14 - 16 calendar days)
5.8.5.4.1.3	**Mowing, Secondary Cycle**	See 5.8.5.4.1.2	365.5 acres	Monthly (28-31 calendar days)

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.1.4	**Mowing, Secondary R/W Cycle**	See 5.8.5.4.1.2	413 acres	Annually (350-380 calendar days)
5.8.5.4.1.5	**Mowing, Quarterly**	See 5.8.4.1.2	5 acres	Quarterly (84 -93 calendar days)
5.8.5.4.2	**Fertilize and Seed Prime Cycles**	Required to sustain healthy plant growth and uniform color.	407 acres	Maintain healthy plant growth
5.8.5.4.3	**Control Broad Leaf weeds Prime R/W Cycle**	Maintenance procedures can include prevention as well as removal. Repair all scalped/stripped areas resulting from prevention/removal processes. Apply herbicides as necessary to meet requirements.	142 acres	Attain 70% control of broad-leafed weeds at a minimum.
5.8.5.4.4	**Trimming**			
5.8.5.4.4.1	**Trimming; Area A All cycles**	Trim around obstacles and along edges of adjacent raised surfaces, to include but not limited to, trees, shrubs, curbs, pavements, fire hydrants, and walls. Trimming shall be accomplished by use of mechanical equipment.	Nothing additional	Trimming shall be considered a part of the mowing activity and shall be accomplished concurrently.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.4.2	**Trimming; Area B**	Trimming around trees shall be accomplished by use of mechanical equipment Herbicide may be used to control vegetation around other obstacles to the extent shown on Test Complex Herbicide Spray Schedule and accompanying drawings.	Nothing additional	**See 5.8.5.4.4.**1 for mechanical trimming. **See 5.8.6.1** for herbicide application
5.8.5.4.5	**Edging - Specific Areas to Be Edged are Delineated in the Grounds Maintenance Drawings**	Edge grass directly adjacent to sidewalks and curbs. Edge lawns to achieve a straight vertical edge where the grass meets the edge of the obstacle.	45,150 LF	Monthly (28-31 calendar days)
5.8.5.4.6	**Maintain Ditches**	Repair eroding ditches, ruts, and scalped areas on ditch slopes and eroding grounds and around headwall structures promptly and keep culverts and drop inlets free of all obstructions and weed growth.	2,500 LF	Year round. Maintain a free flowing condition with no debris or dead vegetation accumulations
5.8.5.4.7	**Maintain Landscaped Areas These Services Shall Be Provided Between March 15 and November 15 Except as Noted**	Specific locations are delineated on the Grounds Maintenance Drawings. Maintenance equipment shall be removed or stored out of sight when not in use. Landscaped areas include patio areas in Buildings 1020, 1002, and 1105.	70,500 SF	

ANNEX 5.8
GROUNDS MAINTENANCE AND INTEGRATED PEST MANAGEMENT SERVICES

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.7.1	**Remove Undesirable Vegetation**	Undesirable vegetation includes but is not limited to: grass, weeds, fungus, thistle, dallis grass, clover, and other vegetation not initially planted or maintained for aesthetic value.	Nothing additional	Maintain landscaped areas free of undesirable vegetation
5.8.5.4.7.2	**Fertilize Plant Beds**	Apply fertilizer as necessary to sustain healthy plant growth.	Nothing additional	No visibly sick or dead plants
5.8.5.4.7.3	**Remove Surface Debris**	Includes debris litter the surface or partially buried (visible) debris.	Nothing additional	Year round. Clean areas no less than weekly. Area shall be free of visible debris and litter.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.7.4	**Prune Hedges and Shrubs to Maintain Proper Size, Shape, and Appearance**	Pruning of hedges and shrubs is required when new growth reaches 4" for fast growing shrubs and 6 inches for slow growing shrubs. Shrub trimming shall be performed in a manner that maintains or enhances the plant's natural growth patterns.	Nothing additional	Maximum shrub height shall be maintained as follows: Shrubs planted directly in front of windows shall not exceed the window sill height except for windows less than 4 feet above the ground for which shrubs shall not exceed four (4) feet.
				Shrubs planted in open landscaped areas, corners or near stop signs and other areas where the shrubs may hinder visibility shall not exceed 5 feet.
				All other shrubs shall not exceed 6 feet in height.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.7.5	**Apply Organic Mulch (e.g. decorative bark) in Planting Beds**	Bark shall be pine or softwood bark mulch or better. When new bark is not required, turn and rake existing bark to present a fresh and clean aesthetic appearance.	Nothing additional	Apply bark to maintain a minimum of 2” and a maximum of 3” in March and October.
5.8.5.4.7.6	**Maintain Plant Beds in the Atrium in Building 1100**	Fertilize and water to maintain healthy plant growth. Prune trees and trim plants.	2,500 SF	Maintain healthy growth and aesthetic appearance, year round
5.8.5.4.7.7	**Plant Annuals, Flower Beds in Area A, at the Gate Signs, and in the Test Complex area**	Continually plant/maintain seasonal flowering plants	4,600 SF	Maintain a full garden appearance
5.8.5.4.7.8	**Ground Cover in Landscaped Areas**	Use of vines, as a ground cover shall not be permitted.	Nothing additional	Maximum height of ground cover shall not exceed 12 inches.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.8	**Prune Trees**	Prune trees according to their natural growth habit. Pruning is to be done in a manner so as to: a. Remove dead, damaged, or diseased wood, parasitic vegetation and structurally weak limbs that may cause a safety hazard. b. Remove branches to provide clearance over sidewalks, roadways, parking lots, driveways, buildings roofs, eaves, and windows. c. Remove branches to provide clearance for buses, and similar vehicles along streets d. Cut back branches that overhang or grow into power lines. Shape the entire tree rather than notch the top. e. Prevent growth of small trees in front of windows, over entranceways or walks and trees, which will obstruct vision at street intersections.	Areas A & B 2,150 LF 110,050 LF 26,800 LF	Complete pruning of trees no later than April 1, annually. <13.8Kv: 10 LF, either side of centerline, 13.8Kv Single, circuit: 15 LF either side of centerline 13.8Kv Dual circuit: 30LF either side of centerline.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.5.4.9	**Grass Planting and Sodding**	The Contractor shall repair washed out and bare areas with a type of soil identical to that of the surrounding area and reestablishing grass by seeding or sodding.	Maximum 1,000 SF	Bahia grass shall not be used in any location at SSC.
		Bare spots exceeding 1/2 SF in Prime cycle areas shall be resodded.		
5.8.5.4.10	**Prevent Erosion and Drainage Problems Such as Damming, Ponding, Flooding, etc**	Corrective action required as a result of erosion outside the Contractor's control shall be performed per paragraph 5.7.	10,000 SF	No loss of ground cover due to Contractor negligence
5.8.5.4.11	**Keep Fences Free of Vegetation, Child Care Facility 2120 and Summer Day Camp Area Building 2436**	Trim grass away from fences on both sides. Herbicide shall not be used.	1,015 LF	Fences shall remain free of vegetation at all times.
5.8.5.5	**Buffer Zone Signs**	Clean signs and clear brush around the signs. The locations of the Buffer Zone signs are indicated on a drawing located in the Central Engineering Files at SSC.	30 signs annually	Perform annually (350-380 calendar days)
5.8.6	**INTEGRATED PEST MANAGEMENT**			
5.8.6.1	**Herbicide Application**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.6.1.1	**Herbicide Application, Areas A and B** **Apply non-selective and pre-emergence herbicide to prevent growth of vegetation.**	Specific locations and quantities are shown on Herbicide Spray Schedule and accompanying drawings. -Sterilization may be required more than once annually to meet the minimum standard. Prevent growth of all vegetation in paved and unpaved parking and storage areas and cracks in paved roads, sidewalks, dock areas, and curb joints -Area B - Maintain a vegetation free strip extending one foot from the edge of all buildings, around poles, posts (including signs), fire plugs, manholes, valve pits and other mowing obstructions. -Maintain areas under pipelines and other areas not specifically noted here but shown in the drawings.	Area A –140,600 SF Parking Lots - 1,200,000 SF Area B-270,000 SF	Treated areas shall remain completely free of vegetation at all times. If a residual herbicide is used, it must be non-leaching with minimal toxicity
5.8.6.1.2	**Weed Control**	Use selective herbicides to control broad-leafed weeds in the lawn areas identified in item 5.8.5.4.3.	Nothing additional	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.6.2	**Pest Control**	Provide pest control services. Pests include any insects, arachnids, rodents, vertebrates, birds, animals, and reptiles that are nuisances or harmful to people or their desired surroundings. Termite infestations will be handled as indeterminate work (See 5.8.6.2.2.2). Even though specific guidelines/regulations and minimum performance standards have been established, the services to be performed will rely heavily on knowledgeable and experienced individuals who are capable of establishing an early. prevention program to eliminate or greatly reduce pest infestations. No additional information is available. Pest infestations vary from season to season, year to year, and form a multitude of situations. The Contractor shall review all data available, analyze the geographical location/conditions, and standard industry practices to determine the size and scope of the required program to be offered.	Contractor determined	
5.8.6.2.1	**Work Identification**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.6.2.1.1	**Continually inspect structures, facilities, and grounds to identify pest infestations.**	As a minimum, includes work that is reasonably visible to any Contractor personnel performing any service. (i.e., janitors should report crawling infestations; grounds keepers should report moles and insect infestations; mechanics should report rodents, etc.	See below:	Conduct inspections with individuals technically knowledgeable and capable of identifying suspected pest infestations. Provide inspection services at a frequency required to control pest infestations.
5.8.6.2.1.1.1	**Inspect Structures and Facilities**	Includes all buildings and structures at SSC in Areas A and B.	1,485,000 SF	Inspect no less than annually.
5.8.6.2.1.1.2	**Inspect Food Service Areas**	Inspect all building containing food service areas. (Bldgs. 2201, 1100, 1002).	16,900 SF	Inspect no less than quarterly.
5.8.6.2.1.1.3	**Inspect Medical Clinic**	Inspect Medical Clinic in building 1100.	5,400 SF	Inspect no less than quarterly.
5.8.6.2.1.1.4	**Inspect Atrium in Bldg 1100**	Nothing additional.	5,750 SF	Inspect no less than monthly.
5.8.6.2.1.1.5	**Inspect Building Exterior**	Inspect all entrances and the eaves of single story buildings.	7,180 LF	Inspect no less than quarterly.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.6.2.1.2	**Perform Pest Control Work Identified by NASA, Resident Agencies and Government Contractors**	Accept identified/suspected pest control work from any individual.	Nothing additional	Respond to calls and take appropriate corrective action within 24 hours.
5.8.6.2.1.3	**Inspect Sentriguard Baiting Systems**	Nothing additional.		Inspect quarterly
5.8.6.2.2	**Work Accomplishment and Completion**			
5.8.6.2.2.1	**Notify Building Occupants of Scheduled Treatments or Applications to the Interior of Assigned Facilities.**	Identify the areas to be treated, times of application, pesticide to be used, and re-entry times (if applicable). In addition verbal or written notification, post warning signs, rope off areas, stage barriers, etc., to allow sufficient notice of upcoming treatments and prevent potential dangers or hazardous conditions.	Nothing additional	No applications shall begin without proper notification to the appropriate individuals.
5.8.6.2.2.2	**Treat all Infestations, including:**	Includes mechanical chemical or construction treatments and re-applications, as necessary, to remove all cases of infestations	1,987,866 SF	Applications, procedures, and chemicals shall not damage the integrity of the areas being treated or the surrounding area, and shall have minimal impact on customers.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.6.2.2.2 Cont.	**Identify and Treat all Fireant Infestations in Areas A and B**	Identify and eradicate all fireant populations. Area A is defined on the drawings as base and Area B is Test Complex.	440 acres	No more than 1 visible mound, 12 inches or greater in diameter per 1,000 SF of area
	Identify and Treat Poisonous Spiders in Areas A and B.	Identify and eradicate all black widow and brown recluse spider populations at: a. Building 4120, A-1 T/.S, treat outside hardcore levels: 5, 6, 7, 8, 9, and 10. b. Building 4122, A-2 T/S, treat outside hardcore levels 5, 6,7,8,9, and 10. c. Building 4220, B T/S, treat outside hardcore levels: 8,9,10,11,12,13,14,15,16,17,18, and 19. Treat on top of B-1 cryogenic tanks. d. Building 3202 Warehouse area. e. Treat entrances to Buildings 4995, 4110, and 4210.	4 Requests Annually	No instance of non-compliance
	Identify and Treat all Infestations in the Atrium in Bldg 1100	Pesticide application shall be limited to Fridays after 4:30 pm.	Nothing additional	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.8.6.2.2.2 Cont.	**Control Mosquito Population**	Area A and Area B. All control of mosquito population shall be completed in other than core hours which is defined in (refer to definitions in Annex 1).	Nothing additional	Landing rate of less than 8 mosquitoes in 60 seconds in populated sections of Area A and Area B.
5.8.7	**Grounds Improvements**	Grounds improvement projects may include, but is not limited to, planting trees and updating mature landscaped areas.	As Requested Annual Historical: 400 man hours $8,000 Material.	Meet performance requirements in the SWR.
5.8.8	**Wetland Mitigation**	Wetland mitigation may include, but is not limited to, planting trees and burning vegetation.	Nothing additional	Meet performance requirements in the SWR and in the time specified.
5.8.9	**Resident Agency Requests**	Ground maintenance activities in addition to defined requirements which may include, but not limited to, clean up grass cutting, planting, and pest management change of command activities support.	Nothing additional	Meet performance requirements in the SWR and in the time specified.
5.8.10	**Carcass Disposal**	Remove dead animals and dispose of appropriately.	Estimate 20 requests annually	Carcass shall be removed the same day the request is made.

ANNEX 5.8
GROUNDS MAINTENANCE AND INTEGRATED PEST MANAGEMENT SERVICES

ANNEX 5

EXHIBIT 1
INVENTORY OF BUILT-IN CRANES, MONORAILS, AND HOISTS

EQNUM	DESCRIPTION	BLDG	CRITICAL	MI-PM	MI-LOAD TEST	MI INSPECTION	RECERT DATE	RESPONSIBLE OPERATOR	CAPACITY	WIRE ROPE/CHAIN	MFG
0034846	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	6/18/2006	FOSC	4,000 LB	CHAIN	COLUMBUS MCKINNON
0036757	COME-LONG (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	1/31/2009	FOSC	1500 LB	CHAIN	BEEBE BROS INC
0042378	COME-LONG (LDE)	4220	N		SMI-8830-0103	SMI-0114CC	4/10/2006	FOSC	1,500 LB	CHAIN	DUFF - NORTON / COFFING HOIST
00961572	#HE001 - CRANE SUSPENDED PERSONNEL CAGE (LDE)	2105	N		SMI-8830-0106		11/30/2006	FOSC	500 LB	N/A	
00961573	#HE002 - CRANE SUSPENDED PERSONNEL CAGE (LDE)	2105	N		SMI-8830-0106		11/30/2006	FOSC	500 LB	N/A	
00961574	#HE003 - CRANE SUSPENDED PERSONNEL CAGE (LDE)	2105	N		SMI-8830-0106		1/4/2006	FOSC	500 LB	N/A	
00961932	L-89 BOOM CRANE (LDE)	4220	N	SMI-8830-0123	SMI-8830-0107	SMI-0114WNB	5/5/2008	TEST CT.	1,000 LB	1/2" - Minimum Diameter: 0.469"	GREEN MARINE & INDUSTRIAL EQUIPTMENT COMPANY
00962760	L-80 JIB CRANE (LDE)	2105	N	SMI-0144A2	SMI-8830-0107	SMI-0114C	9/10/2006	FOSC	4,000 LB	CHAIN	YALE
00962761	L-81 JIB CRANE (LDE)	2105	N	SMI-0144A2	SMI-8830-0107	SMI-0114C	9/10/2006	FOSC	4,000 LB	CHAIN	YALE
00962795	L-82 BRIDGE CRANE (LDE)	2205	N	SMI-8830-0126	SMI-8830-0104	SMI-0114W	10/31/2006	FOSC	8,000 LB	5/16" - Minimum Diameter: 0.297"	GAFFEY
00962796	L-83 BRIDGE CRANE (LDE)	2205	N	SMI-8830-0126	SMI-8830-0104	SMI-0114W	10/31/2006	FOSC	8,000 LB	5/16" - Minimum Diameter: 0.297"	GAFFEY
00963411	L-96 GANTRY CRANE - 5 TON (LDE)	4070	N	SMI-8830-0124	SMI-8830-0107	SMI-0114C1	11/30/2008	TOC	10,000 LB	CHAIN	WALLACE PRODUCTS
00963631	L-98 GANTRY CRANE 2 TON (LDE)	1105	N	SMI-0144D	SMI-8830-0107	SMI-0114CNB	6/30/2009	FOSC	4,000 LB	CHAIN	WOODSTOCK
00963725	L-97 MONORAIL HOIST #1 (LDE)	4120	Y	SMI-8830-0198	SMI-8830-0199	SMI-0114W	4/30/2007	TEST CT.	40,000 LB	1/2" - Minimum Diameter: 0.469"	YALE
00963777	L-99 GANTRY CRANE 5 TON (LDE)	8305	N				8/1/2003	TOC	10,000 LB	CHAIN	WALLACE-TIER
00970565	HOIST, CHAIN (LDE)	4220						FOSC			
00970566	HOIST, CHAIN (LDE)	4220						FOSC			
00970567	L-102 HOIST, WIRE ROPE (LDE)	4008	Y	SMI-8830-0200	SMI-8830-0201	SMI-0114W	1/31/2007	TOC	6,000 LB	3/8" - Minimum Diameter: 0.344"	R&M MATERIAL HANDLING
00970597	L-93 A-FRAME WITH PNEUMATIC HOIST, 2 TON (LDE)	2105	N	SMI-0144E	SMI-8830-0107	SMI-0114C	3/31/2009	FOSC	4,000 LB	CHAIN	HANDLING SYSTEMS
00971697	SCISSOR LIFT MODEL SLI-44896-E (LDE)	4120	N	ME-10	ME-10		7/31/2007	TEST CT.	2,000 LB	N/A	AIR TECHNICAL INDUSTRIES
00972629	HYDRAULIC ENGINE CRANE (LDE)	2201	N				3/21/2007	FOSC	2,000 LB	N/A	
00973862	L-84 BRIDGE CRANE (LDE)	4050	N					TOC	17,000 LB	_____" - Min Diameter: _____ '	DIXIE CRANE
00973936	L-117 BRIDGE CRANE (LDE)	4080	Y	SMI-8830-0139	SMI-8830-0104	SMI-0114W2	5/31/2007	TEST CT.	2,000 LB	1/4" - Minimum Diameter: 0.234"	P & H
00973937	L-118 BRIDGE CRANE (LDE)	4080	Y	SMI-8830-0138	SMI-8830-0104	SMI-0114W2	5/31/2007	TEST CT.	20,000 LB	1/2" - Minimum Diameter: 0.469"	P & H
00974850	SPIDER, STAGING (LDE)	4122	N			SMI-0114WS	4/30/2006	FOSC	1,000 LB	5/16" - Minimum Diameter: 0.297"	PLATFORM CRANE
00975663	TWO POST VEHICLE LIFT (LDE)	2105	N	SMI-8830-0186	SMI-8830-0187		2/1/2010	FOSC	7,000 LB	5/16" - Minimum Diameter: 0.297"	ROTARY LIFT
00975664	FOUR POST VEHICLE LIFT (LDE)	2105	N	SMI-8830-0188	SMI-8830-0189		3/31/2009	FOSC	40,000 LB	CHAIN	FORWARD LIFT
0133588	56 TON POWER LIFT (LDE)	2201						FOSC			VETTER INSTRUMENTS
0145568	COMELONG (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	4/27/2008	FOSC	6,000 LB	CHAIN	
0145623	COMELONG (LDE)	2201	N		SMI-8830-0103	SMI-0114C	7/31/2009	FOSC	1,500 LB	CHAIN	COLUMBUS MCKINNON
0289833	SPIDER, STAGING (LDE)	4302	N			SMI-0114WS	6/20/2006	FOSC	500 LB	5/16" - Minimum Diameter: 0.297"	SPIDER STAGING INC.
0289843	SPIDER, STAGING (LDE)	4122	N				10/24/2002	FOSC		5/16" - Minimum Diameter: 0.297"	SPIDER STAGING INC.
0397098	NB397098 HERCULES FL CRANE 2000LB (LDE)	2201	N				5/3/2008	FOSC	2,000 LB	N/A	
042100	HOIST, CHAIN (LDE)	2201	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	6,000 LB	CHAIN	BEEBE BROS INC
0590346	FLOOR CRANE, PORTABLE (LDE)	2205	N			SMI-0114WNB	2/16/2010	FOSC	500 LB	1/4" - Mininmum Diameter - 0.234"	LYMAN INC
0590975	COMELONG (LDE)	3201	N		SMI-8830-0103	SMI-0114C	4/30/2009	FOSC	4,000 LB	CHAIN	COLUMBUS MCKINNON
0591023	COMELONG (LDE)	3201	N		SMI-8830-0103	SMI-0114CC	1/3/2009	FOSC	6,000 LB	CHAIN	COLUMBUS MCKINNON
0591024	CRANE, PORTABLE FLOOR (LDE)	2105	N				11/30/2009	FOSC	4,000 LB	CHAIN	DE KOVAN MFG CO
0592691	SPIDER, STAGING (LDE)	4302	N				3/17/2007	FOSC	1,000 LB	5/16" - Minimum Diameter: 0.297"	SPIDER STAGING INC
0592904	SPIDER, STAGING (LDE)	4302	N				4/8/2006	FOSC	1000 LB	5/16" - Minimum Diameter: 0.297"	SPIDER STAGING INC
0594302	594302 - PORTABLE FLOOR CRANE (LDE)	2205	N				5/6/2008	FOSC	1,000 LB	N/A	RUGER EQUIP INC F-STRATTON EQ
071076	NL 71-76 - TRUCK, AERIAL LIFT W/BUCKET (LDE)	2201	N					FOSC		N/A	INTERNATIONAL HARVESTER /ALTEC
0752446	SPIDER- STAGING (LDE)	4302	N			SMI-0114WS	6/20/2006	FOSC	650 LB	5/16" - Minimum Diameter: 0.297"	SPIDER STAGING INC.
081024	NL 81-24 - TRUCK, POLE (LDE)	2201	N			SMI-0114WNB2		FOSC	N/A	1/2" - Minimum Diameter: 0.469"	INTERNATIONAL HARVESTER /ALTEC
1012317	HOIST, CHAIN (LDE)	3305	N		SMI-8830-0103	SMI-0114CNB	6/30/2006	TOC	500 LB	CHAIN	COLUMBUS MCKINNON
1173388	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	8/23/2009	FOSC	3,000 LB	CHAIN	BUDGIT
120077	NL120-77 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		12/26/2005	FOSC	7,500 LB	N/A	CATERPILLAR INDUSTRIAL INC
120084	NL120-84 - FORKLIFT UPRIGHT- ELECTRIC 4000LB (LDE)	2204	N	SMI-8830-0146	SMI-8830-0102		4/30/2009	FOSC	4,000 LB	N/A	EATON YALE LTD SUSPENSION DIV
120087	NL120-87 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		1/31/2009	FOSC	7,700 LB	N/A	YALE MATERIALS HANDLING CORP
120089	NL120-89 - FORKLIFT - ELECTRIC (LDE)	2203	N	SMI-8830-0147	SMI-8830-0102		11/30/2009	FOSC	4,000 LB	N/A	CLARK EQUIPMENT CO
120094	NL120-94 - TRUCK WALKIE REACH (LDE)	2105	N	SMI-8830-0146	SMI-8830-0102		3/31/2009	FOSC	2,600 LB	N/A	CLARK EQUIPMENT CO
120110	NL120-110 - FORKLIFT 36 VOLT ELEC (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		12/16/2009	FOSC	4,000 LB	N/A	YALE MATERIALS HANDLING CORP
120111	NL120-111 - FORKLIFT 36 VOLT ELEC (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		12/31/2009	FOSC	4,000 LB	N/A	YALE MATERIALS HANDLING CORP
120112	NL120-112 - FORKLIFT- ELECTRIC - CATERPILLAR (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		12/15/2006	FOSC	2,500 LB	N/A	CATERPILLAR INDUSTRIAL INC
120116	NL120-116 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		5/31/2009	FOSC	28,000 LB	N/A	CLARK EQUIP CO INDUS TRUCK DIV
120118	NL120-118 - FORKLIFT, CLARK ELEC (LDE)	2204	N	SMI-8830-0146	SMI-8830-0102		11/30/2006	FOSC	2,600 LB	N/A	CLARK EQUIP CO INDUS TRUCK DIV
120119	NL120-119 - FORKLIFT, YALE ELEC (LDE)	2201	N	SMI-8830-0147	SMI-8830-0102		11/30/2009	FOSC	2,500 LB	N/A	YALE INDUS PROD F-EATON CORP
120120	NL120-120 - FORKLIFT, DIESEL 4000LB (LDE)	2205	N	SMI-8830-0148	SMI-8830-0102		5/31/2009	FOSC	4,000 LB	N/A	CATERPILLAR INDUSTRIAL INC
120121	NL120-121 - FORKLIFT, DIESEL 6000LB (LDE)	4301	N	SMI-8830-0148	SMI-8830-0102		1/31/2009	FOSC	5,450 LB	N/A	CLARK EQUIP CO INDUS TRUCK DIV
120122	NL120-122 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		3/31/2009	FOSC	7,350 LB	N/A	YALE MATERIALS HANDLING CORP

120122	NL120-122 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		3/31/2009	FOSC	7,350 LB	N/A	YALE MATERIALS HANDLING CORP
120124	NL120-124 - FORKLIFT- 4,000 LB GASOLINE (LDE)	4220	N	SMI-8830-0148	SMI-8830-0102		11/30/2006	FOSC	4,000 LB	N/A	YALE INDUS PROD F-EATON CORP
120126	NL120-126 - FORKLIFT- GASOLINE 6000 LB (LDE)	2204	N	SMI-8830-0148	SMI-8830-0102		4/30/2009	FOSC	4,775 LB	N/A	CLARK EQUIP CO INDUS TRUCK DIV
120127	NL120-127 - FORKLIFT EXTENDER (LDE)	2205	N		SMI-8830-0110		2/28/2009	FOSC	1,500 LB	N/A	HERCULES INC F-HERCULES INDUS
120129	NL120-129 - FORKLIFT- DIESEL (LDE)	2205	N	SMI-8830-0148	SMI-8830-0102		8/31/2009	FOSC	6,000 LB	N/A	T C M MFG CO (DISCONTINUED)
120130	NL120-130 - FORKLIFT, HYSTER (LDE)	2204	N	SMI-8830-0148	SMI-8830-0102		11/9/2008	FOSC	6,000 LB	N/A	T C M MFG CO (DISCONTINUED)
120131	NL120-131 - FORKLIFT- UPRIGHT- YALE (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		1/31/2009	FOSC	3,500 LB	N/A	YALE INDUS PROD F-EATON CORP
120133	NL120-133 - FORKLIFT- ELECTRIC (HYSTER) (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		1/31/2009	FOSC	2,250 LB	N/A	HYSTER CO
120134	NL120-134 - FORKLIFT, ELECTRIC (HYSTER) (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		2/28/2007	FOSC	3,000 LB	N/A	HYSTER CO
120135	NL120-135 - FORKLIFT, ELECTRIC (HYSTER) (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		1/31/2009	FOSC	2,650 LB	N/A	HYSTER CO
120144	NL120-144 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		11/30/2006	FOSC	5,500 LB	N/A	KOMATSU MFG CO LTD
120147	NL120-147 - FORKLIFT, ELECTRIC, STANDUP (LDE)	2205	N	SMI-8830-0147	SMI-8830-0102		1/16/2007	FOSC	1,200 LB	N/A	PRIMEOVER CO THE
120152	NL120-152 - DRUM LIFTER (LDE)	2205	N		SMI-8830-0110		3/1/2007	FOSC	700 LB	N/A	WESCO INTERNATIONAL INC
120160	NL120-160 - FORKLIFT, 6,000LB DIESEL (LDE)	2205	N	SMI-8830-0148	SMI-8830-0102		4/30/2009	FOSC	6,000 LB	N/A	ATHEY PRODUCTS CORPORATION
120161	NL120-161 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		4/30/2009	FOSC	6,000 LB	N/A	ATHEY PRODUCTS CORPORATION
120164	NL120-164 - FORKLIFT, DIESEL 6,000 LB (LDE)	4010	N	SMI-8830-0148	SMI-8830-0102		11/30/2009	FOSC	6,000 LB	N/A	CASE J I CO
120166	NL120-166 - FORKLIFT, STACKER (NASA#0824850) (LDE)	8304	N	SMI-8830-0147	SMI-8830-0102		8/31/2010	TOC	2,000 LB	N/A	ROL-LIFT CORP
120168	NL120-168 - FORKLIFT (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		6/30/2007	FOSC	16,600 LB	N/A	CLARK EQUIP CO INDUS TRUCK DIV
120184	NL120-184 - FORKLIFT, TRUCK (LDE)	2204	N	SMI-8830-0148	SMI-8830-0102		11/8/2006	FOSC	5,600 LB	N/A	HYSTER CO
120185	NL120-185 - FORKLIFT, TRUCK (LDE)	2105	N	SMI-8830-0148	SMI-8830-0102		6/30/2007	FOSC	50,000 LB	N/A	HYSTER CO
120188	NL120-188 - FORKLIFT, TRUCK (LDE)	2204	N	SMI-8830-0148	SMI-8830-0102		12/23/2008	FOSC	,800 LB @ 24"	N/A	CATERPILLAR INDUSTRIAL INC
120189	NL120-189 - FORKLIFT, TRUCK (LDE)	4302	N	SMI-8830-0148	SMI-8830-0102		12/23/2008	FOSC	,800 LB @ 24"	N/A	CATERPILLAR INDUSTRIAL INC
120190	NL 120-190 - FORKLIFT ELECTRIC (LDE)	2204	N	SMI-8830-0147	SMI-8830-0102		1/31/2010	FOSC	4,000 LB	N/A	HYSTER CO
1223794	COME-LONG (LDE)	3201	N		SMI-8830-0103	SMI-0114CC	4/30/2009	FOSC	1,500 LB	CHAIN	
1223795	COMELONG (LDE)	3201	N		SMI-8830-0103	SMI-0114CC	2/15/2009	FOSC	1,500 LB	CHAIN	BEEBE BROS INC
130005	NL130-05 - CRANE MOBILE- (DRAGLINE) (LDE)	3201						FOSC			FORD MOTOR CO THE
130048	NL130-48 - LIFT A LOFT (LDE)	2201	N	SMI-8830-0145	SMI-8830-0101		2/28/2007	FOSC	500 LB	N/A	LIFT-LOFT CORP
130073	NL130-73 - PERSONNEL LIFT- GENIE (LDE)	4110	N	SMI-8830-0145	SMI-8830-0101		8/31/2006	TEST CT.	300 LB	N/A	GENIE INDUSTRIES
130077	NL130-77 - GENIE BOOM LIFT Z-30/20 (LDE)	2201	N	SMI-8830-0145	SMI-8830-0101		3/31/2007	FOSC	500 LB	N/A	GENIE INDUSTRIES
130079	NL130-79 - LIFT-LOFT PERSONNEL (LDE)	2201	N	SMI-8830-0145	SMI-8830-0101		2/28/2007	FOSC	350 LB	N/A	LIFT-LOFT CORP
130080	NL130-80 - CRANE, MOBILE (BRODERSON) (LDE)	2105	Y	SMI-8830-0121	SMI-8830-0100	SMI-0114W1	6/30/2006	FOSC	9,000 LB	9/16" - Minimum Diameter: 0.516"	BRODERSON MFG CO
130093	NL130-93 - CRANE, MOBILE (55 TON GROVE) (LDE)	2105	Y	SMI-8830-0119	SMI-8830-0100	SMI-0114W1	2/28/2007	FOSC	ee Load Chart)	3/4" - Minimum Diameter: 0.703"	GROVE MFG FANLIFT INC
130094	NL130-94 - LIFT, PERSONNEL (LDE)	2201	N	SMI-8830-0145	SMI-8830-0101		7/5/2007	FOSC	300 LB	N/A	UP-RIGHT INC
130095	NL130-95 - LIFT PERSONNEL (LDE)	2205	N	SMI-8830-0145	SMI-8830-0101		6/30/2007	FOSC	500 LB	N/A	JLG INDUSTRIES_INC
130098	NL130-98 - LIFT-LOFT (LDE)	2201	N	SMI-8830-0145	SMI-8830-0101		7/31/2007	FOSC	500 LB	N/A	LIFT-LOFT CORP
130099	NL130-99 - CRANE, MOBILE (AMERICAN) (LDE)	2105	N	SMI-8830-0122	SMI-8830-0100	SMI-0114WS1	3/31/2010	FOSC	ize) 11,200 LB	3/4" - Minimum Diameter: 0.703"	AMERICAN HOIST AND DERRICK COMPANY
130101	NL130-101 - CRANE, MOBILE (25 TON GROVE) (LDE)	2105	Y	SMI-8830-0120	SMI-8830-0100	SMI-0114W1	7/31/2006	FOSC	ee Load Chart)	1/2" - Minimum Diameter: 0.469"	GROVE MFG FANLIFT INC
130103	NL130-103 - LIFT, PERSONNEL (LDE)	2201	N	SMI-8830-0145	SMI-8830-0101		8/31/2006	FOSC	500 LB	N/A	JLG INDUSTRIES_INC
130104	NL130-104 - MANLIFT (NASA#1912819) (LDE)	2201	N	SMI-8830-0145	SMI-8830-0101		5/31/2007	FOSC	300 LB	N/A	AMERIQUIP
130105	NL130-105 - CRANE, MOBILE (8.5 TON TEREX) (LDE)	2105	Y	SMI-8830-0113	SMI-8830-0100	SMI-0114W1	11/30/2006	FOSC	ee Load Chart)	9/16" - Minimum Diameter: 0.516"	TEREX CRANES INC.
130106	NL130-106 - CRANE, MOBILE (75 TON TEREX) (LDE)	2105	Y	SMI-8830-0112	SMI-8830-0100	SMI-0114W1	8/31/2007	FOSC	ee Load Chart)	3/4" - Minimum Diameter: 0.703"	TEREX CRANES INC.
130114	NL 130-114 - LIFT, PERSONNEL (LDE)	2105	N	SMI-8830-0145	SMI-8830-0101		5/31/2007	FOSC	500 LB	N/A	GENIE INDUSTRIES
130117	NL130-117 - LIFT, MATERIAL (LDE)	2201	N		SMI-8830-0101	SMI-0114WS	6/1/2008	FOSC	650 LB	3/16" - Minimum Diameter: 0.156"	SUMNER
130121	NL130-121 - LIFT, BOOM (LDE)	2105	N	SMI-8830-0145	SMI-8830-0101		5/31/2007	FOSC	500 LB	N/A	GENIE INDUSTRIES
130124	NL130-124 - CRANE, PORTABLE (LDE)	2201						FOSC			THERN INC
1323216	CRANE, BUMPER (LDE)	2201	N		SMI-8830-0107		5/3/2006	FOSC	627 LB	3/16" - Minimum Diameter: 0.156"	SNO-WAY INTERNATIONAL INC
1539848	COME-LONG (LDE)	3407	N		SMI-8830-0103	SMI-0114CC	12/22/2008	TOC	4,000 LB	CHAIN	HARRINGTON HOIST INC
1540018	SPIDER, STAGING (LDE)	4302						FOSC			SPIDER STAGING INC
1541303	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/27/2008	FOSC	6,000 LB	CHAIN	COLUMBUS MCKINNON CP CM HOIST
1910029	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	6/30/2009	FOSC	4,000 LB	CHAIN	COLUMBUS MCKINNON CP CM HOIST
1910033	COMELONG (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/27/2008	FOSC	3,000 LB	CHAIN	COLUMBUS MCKINNON CP CM HOIST
1910034	COMELONG (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	6/30/2009	FOSC	3,000 LB	CHAIN	COLUMBUS MCKINNON
1910650	BASKET PERSONNEL (LDE)	4302	N		SMI-8830-0106		1/31/2007	FOSC	600 LB	N/A	US CRANE INC
1912426	PORTABLE FLOOR CRANE, 1/2 TON HYDRAULIC (LDE)	8101	N				5/29/2007	FOSC	1000 LB	N/A	RUGER EQUIP INC F-STRATTON EQ
1912837	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	6/1/2008	FOSC	12000 LB	CHAIN	DUFF - NORTON / COFFING HOIST
1912851	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	10,000 LB	CHAIN	COLUMBUS MCKINNON
1912872	HOIST, CHAIN (LDE)	2201	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	4,000LB	CHAIN	DUFF - NORTON / COFFING HOIST
1939228	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	1/3/2009	FOSC	1,000 LB	CHAIN	DUFF - NORTON / COFFING HOIST
1939635	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	1/31/2009	FOSC	1500 LB	CHAIN	LITTLE MULE PRODUCTS
1939946	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	1/31/2009	FOSC	1500 LB	CHAIN	LITTLE MULE PRODUCTS
1940444	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/27/2008	FOSC	4000 LB	CHAIN	COLUMBUS MCKINNON
1940445	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/27/2008	FOSC	4000 LB	CHAIN	COLUMBUS MCKINNON
1940666	COMELONG (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	1/31/2010	VARIOUS	3,000 LB	CHAIN	COLUMBUS MCKINNON
1940668	FALL, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	1/31/2010	VARIOUS	6,000 LB	CHAIN	COLUMBUS MCKINNON
1940669	FALL, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	1/31/2010	FOSC	4,000 LB	CHAIN	COLUMBUS MCKINNON
1940670	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	5/20/2008	FOSC	2,000 LB	CHAIN	YALE

1940671	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114C	2/3/2008	FOSC	6,000	LB	CHAIN	CHESTER HOIST INC.
1940672	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114C	2/3/2008	FOSC	6,000	LB	CHAIN	CHESTER HOIST INC.
1940752	HOIST, CHAIN - ELECTRIC (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	6/18/2007	FOSC	4,000	LB	CHAIN	JET EQUIPMENT & TOOLS INC
1940822	HOIST, CHAIN - ELECTRIC (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	2,000	lb	CHAIN	COLUMBUS MCKINNON
1940823	HOIST, CHAIN - ELECTRIC (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	2,000	LB	CHAIN	COLUMBUS MCKINNON
1940852	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	2,000	LB	CHAIN	JET EQUIPMENT & TOOLS INC
1940853	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/15/2006	FOSC	2,000	LB	CHAIN	JET EQUIPMENT & TOOLS INC
1940854	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	8/23/2009	FOSC	3,000	LB	CHAIN	JET EQUIPMENT & TOOLS INC
1941005	FALL, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114C	6/30/2008	FOSC	10,000	LB	CHAIN	COLUMBUS MCKINNON
1941006	FALL, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114C	6/30/2008	FOSC	10,000	LB	CHAIN	COLUMBUS MCKINNON
1941007	FALL, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114C	6/30/2008	FOSC	10,000	LB	CHAIN	COLUMBUS MCKINNON
1941008	FALL, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114C	6/30/2008	FOSC	10,000	LB	CHAIN	COLUMBUS MCKINNON
1941254	HOIST, WIREROPE - ELECTRIC (LDE)	2201	N		SMI-8830-0103	SMI-0114W	6/14/2006	FOSC	528	LB	1/4" - Minimum Diameter - 0.234"	TRACTEL INC
1941434	HOIST, CHAIN (LDE)	4220	N		SMI-8830-0103	SMI-0114CNB	4/26/2008	FOSC	1,500	LB	CHAIN	COLUMBUS MCKINNON
1941462	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/27/2008	FOSC	4000	LB	CHAIN	INGERSOL-RAND CO
1941676	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	12,000	LB	CHAIN	COLUMBUS MCKINNON
1941677	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/8/2006	FOSC	12,000	LB	CHAIN	MANNESMANN DEMAG
1941678	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	4/30/2010	FOSC	4,000	LB	CHAIN	JET EQUIPMENT & TOOLS INC
2155762	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CNB	1/31/2009	FOSC	3000	LB	CHAIN	JET EQUIPMENT TOOLS
2156995	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	12/1/2007	FOSC	3,000	LB	CHAIN	TRACTEL INC
2156996	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	12/1/2007	FOSC	3,000	LB	CHAIN	TRACTEL INC
2156997	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	12/1/2007	FOSC	6,000	LB	CHAIN	TRACTEL INC
2156998	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	12/1/2007	FOSC	6,000	LB	CHAIN	TRACTEL INC
2156999	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	12/1/2007	FOSC	12,000	LB	CHAIN	TRACTEL INC
2157000	HOIST, CHAIN (LDE)	4302	N		SMI-8830-0103	SMI-0114CC	12/1/2007	FOSC	12,000	LB	CHAIN	TRACTEL INC
2157135	HOIST, CHAIN (LDE)	4302	N					FOSC	2,000	LB	CHAIN	HARRINGTON
2157215	L-119 HOIST - 1/2 TON CHAIN (LDE)	2201	N	SMI-0144E	SMI-8830-0107	SMI-0114CNB	5/21/2008	FOSC	1,000	LB	CHAIN	COLUMBUS MCKINNON
2157795	CRANE, BUMPER (LDE)	2201	N		SMI-8830-0107		4/30/2010	FOSC	1,000	LB	3/16" - Minimum Diameter: 0.156"	STOWAY POWER CRANES
940703	PORTABLE FLOOR CRANE (LDE)	2201	N				4/30/2010	FOSC	oom Retracted)		N/A	
96A10191	L-60 BRIDGE CRANE (LDE)	3203	N	SMI-8830-0133	SMI-8830-0104	SMI-0114W	9/30/2006	NMFS	6,000	LB	1/2" - Minimum Diameter: 0.469"	AM. CHAIN & CAB
96A10215	L-63 BRIDGE CRANE (LDE)	3203	N	SMI-8830-0132	SMI-8830-0104	SMI-0114W1	4/30/2009	NDBC	10,000	LB	7/16" - Minimum Diameter: 0.406"	CONCO
96A10221	L-64 BRIDGE CRANE (LDE)	3203	N	SMI-8830-0131	SMI-8830-0104	SMI-0114W1	9/9/2007	NDBC	20,000	LB	7/16" - Minimum Diameter: 0.406"	CONCO
96A10233	L-4 MONORAIL HOIST (LDE)	2205	N	SMI-0144C1	SMI-8830-0107	SMI-0114C	2/25/2007	FOSC	4,000	LB	CHAIN	COLUMBUS MCKINNON
96A10237	L-32 JIB CRANE (LDE)	2205	N	SMI-0144A2	SMI-8830-0107	SMI-0114C	4/30/2010	FOSC	4,000	LB	CHAIN	COLUMBUS MCKINNON
96A10238	L-00 MONORAIL HOIST (NASA#0590349) (LDE)	2205	N	SMI-0144E	SMI-8830-0107	SMI-0114C	3/12/2007	FOSC	4,000	LB	CHAIN	ARO CORP THE
96A10239	L-78 JIB CRANE (LDE)	2205	N	SMI-0144A2	SMI-8830-0107	SMI-0114C	7/31/2010	FOSC	4,000	LB	CHAIN	COLUMBUS MCKINNON
96A10240	L-5 BRIDGE CRANE (LDE)	2205	N	SMI-8830-0118	SMI-8830-0104	SMI-0114W	10/26/2008	FOSC	30,000	LB	9/16" - Minimum Diameter: 0.516"	MILWAUKEE ELECTRIC TOOL CORP
96A10250	L-7 BRIDGE CRANE (LDE)	2205	N		SMI-8830-0104	SMI-0114W1	6/30/2009	FOSC	30,000	LB	9/16" - Minimum Diameter: 0.516"	NORTHERN ENG
96A10257	L-68 BRIDGE CRANE (LDE)	3305	N	SMI-8830-0137	SMI-8830-0104	SMI-0114W2	5/31/2009	TOC	10,000	LB	3/8" - Minimum Diameter: 0.344"	STEWARD CRANE
96A10262	L-14 BRIDGE CRANE (LDE)	3305	N	SMI-0144D	SMI-8830-0107	SMI-0114C1	10/30/2006	TOC	2,000	LB	CHAIN	
96A10264	L-70 MONORAIL HOIST (LDE)	2201	N	SMI-0144B	SMI-8830-0107	SMI-0114W	1/31/2010	FOSC	10,000	LB	3/8" - Minimum Diameter: 0.344"	HITACHI
96A10267	L-79 JIB CRANE (LDE)	2201	N	SMI-0144A1	SMI-8830-0107	SMI-0114CNB	9/7/2008	FOSC	2,000	LB	CHAIN	BUDGET
96A10268	L-67 MONORAIL HOIST (REPLACES ECN:1012394) (LDE)	8304	N	SMI-0144C1	SMI-8830-0107	SMI-0114CNB	1/25/2007	TOC	4,000	LB	CHAIN	COFFING
96A10269	L-66 MONORAIL HOIST (LDE)	8304	N	SMI-0144C1	SMI-8830-0107	SMI-0114C	10/15/2006	TOC	2,000	LB	CHAIN	INGERSOL-RAND CO
96A10270	L-58 BRIDGE CRANE (LDE)	3202	Y		SMI-8830-0104	SMI-0114W1	11/30/2006	TEST CT.	50,000	LB	9/16" - Minimum Diameter: 0.516"	STEWART TANK WORKS
96A10278	L-56 BRIDGE CRANE (LDE)	3202	Y	SMI-8830-0128	SMI-8830-0205	SMI-0114W1	7/31/2007	TEST CT.	50,000	LB	5/8" - Minimum Diameter: 0.578"	SHEPARD NILES
96A10291	L-01 JIB CRANE (LDE)	2205	N	SMI-0144A	SMI-8830-0107	SMI-0114W	4/30/2007	FOSC	4,000	LB	5/16" - Minimum Diameter: 0.297"	P&H
96A10292	L-10 BRIDGE CRANE (LDE)	2205	N	SMI-8830-0117	SMI-8830-0104	SMI-0114W	3/6/2007	FOSC	30,000	LB	5/8" - Minimum Diameter: 0.578"	MILWAUKEE ELECTRIC TOOL CORP
96A10302	L-65 BRIDGE CRANE (LDE)	3304	N	SMI-0144D	SMI-8830-0104	SMI-0114C1	4/30/2009	TOC	10,000	LB	CHAIN	CHESTER HOIST
96A10305	L-44 BRIDGE CRANE (LDE)	4400	N	SMI-8830-0141	SMI-8830-0104	SMI-0114W2	5/31/2009	TOC	20,000	LB	7/16" - Minimum Diameter: 0.406"	CONCO
96A10308	L-45 MONORAIL HOIST (LDE)	4400	N	SMI-0144C1	SMI-8830-0107	SMI-0114C	6/30/2009	TOC	4,000	LB	CHAIN	BUDGET
96A10311	L-48 MONORAIL HOIST (LDE)	2204	N	SMI-0144B	SMI-8830-0107	SMI-0114W	1/31/2009	USGS	4,000	LB	5/16" - Minimum Diameter: 0.297"	
96A10312	L-49 MONORAIL HOIST (LDE)	2204	N	SMI-0144C	SMI-8830-0107	SMI-0114W	12/12/2004	USGS	2,000	LB	1/4" - Minimum Diameter: 0.234"	P&H
96A10313	L-47 MONORAIL HOIST (LDE)	2204	N	SMI-0144C2	SMI-8830-0107	SMI-0114W	9/10/2007	USGS	4,000	LB	5/16" - Minimum Diameter: 0.297"	P&H
96A10314	L-57 BRIDGE CRANE (LDE)	3202	Y		SMI-8830-0104	SMI-0114W1	11/30/2006	TEST CT.	50,000	LB	5/8" - Minimum Diameter: 0.578"	
96A10330	L-54 MONORAIL HOIST (LDE)	8100	N	SMI-0144B	SMI-8830-0107	SMI-0114W	10/30/2006	NAVO	500	LB	3/16" - Minimum Diameter: 0.156"	YALE-CABLEKI
96A10332	L-55 MONORAIL HOIST (LDE)	8100	N	SMI-0144B	SMI-8830-0107	SMI-0114W	5/15/2006	NAVO	500	LB	3/16" - Minimum Diameter: 0.156"	YALE
96A10335	L-69 MONORAIL HOIST (LDE)	8100	N	SMI-0144B	SMI-8830-0107	SMI-0114W	7/30/2006	NAVO	1,000	LB	1/4" - Minimum Diameter: 0.234"	SHAW BOX "DRESSER IND."
96A10347	L-25 JIB CRANE (LDE)	4220	N	SMI-0144F	SMI-8830-0107	SMI-0114WNB	8/31/2010	TEST CT.	500	LB	3/8" - Minimum Diameter: 0.344"	SHEPARD NILES
96A10348	L-26 BRIDGE CRANE ALSO L-27 (LDE)	4220	N	SMI-8830-0142	SMI-8830-0104	SMI-0114W2	7/31/2010	TEST CT.	30,000	LB	9/16" - Minimum Diameter: 0.516"	READING
96A10575	L-91 DERRICK MAIN (LDE)	4220	Y	SMI-8830-0151	SMI-8830-0105	SMI-0114WD	3/31/2007	FOSC	400,000	LB	1-1/8" - Minimum Diameter: 1.063"	AMERICAN
96A10576	FOUR-LEG BRIDLE SLING (LDE)	4220	Y		SMI-8830-0105	SMI-0114WSLG	3/31/2007	FOSC	E - 40,000 LB)		1-1/4" - Minimum Diameter: 1.156"	
96A10589	GANG PLANK HOIST (LDE)	3201						FOSC				SASGENDERRIK
96A10599	L-40 MONORAIL HOIST (LDE)	4122	Y	SMI-0144B2	SMI-8830-0107	SMI-0114W	4/30/2007	TEST CT.	20,000	LB	9/16" - Minimum Diameter: 0.516"	P&H
97A10629	L-85 BRIDGE CRANE (LDE)	4050	Y	SMI-8830-0140	SMI-8830-0206	SMI-0114W1	7/31/2007	TOC	20,000	LB	9/16" - Minimum Diameter: 0.516"	R&M MATERIAL HANDLING
97A10668	L-92 DERRICK AUXILIARY (LDE)	4221	Y	TS-1776SB		SMI-0114WDSB		FOSC	350,000	LB	1-1/8" - Minimum Diameter: 1.063"	AMERICAN
G033278	COMELONG (LDE)	2201	N		SMI-8830-0103	SMI-0114C	6/5/2006	FOSC	1500	LB	CHAIN	
G033318	HOIST, CHAIN (LDE)	2201	N		SMI-8830-0103	SMI-0114C	10/6/2006	FOSC	2000	LB	CHAIN	
G033531	HOIST, CHAIN (LDE)	2201	N		SMI-8830-0103	SMI-0114C	4/9/2007	FOSC	1,500	LB	CHAIN	

ANNEX 5

EXHIBIT 2

MAINTENANCE TASK SHEETS

MAINTENANCE TASK SHEET (MTS) INDEX

MTS Number	Description
	Electrical
E-1	Air Break Switch, Pad Mounted
E-2	Fuse Cutout
E-3	Pole Mounted Gang Switch
E-4	Magne-Blast Circuit Breaker
E-5	SF6 Gas Switch (DELETE)
E-6	Transformer, Pad Mount
E-7	Transformer, Pole Mount
E-8	Recloser
E-9	Miscellaneous Distribution System
E-10	Area Lighting
E-11	Electric Meters
E-12	Switch Boards & Distribution Panel Boards
E-13	Motor Control Centers
E-15	Dry Type Transformers, 45 KVA & Above
E-16	Uninterruptible Power Supplies (UPS) 7 KVA & above
E-17	Diesel Generators
E-18	Cathodic Protection
E-19	Lightning, Grounding, and Surge Protection

E-28 Spare Transformer – B4400

E-29 GNB Battery Charger- B3407

E-30 Variable FrequencyDrives

E-31 Starters

Emergency Electrical Lighting

E-14 Sitewide Electrical Emergency Lighting

Fire Protection & Detection System

E-20 Fire Alarm Central Console

E-21 Radio Frequency Transceivers (FIRE)

E-22 Facility Fire Alarm Panels

E-23 Facility Security Systems

E-24 Sprinkler & Suppression Systems

E-25 Fire Hydrants & Post Indicator Valves

E-26 Fire Protection & Detection Systems-Suppression Sys

E-27 Fire Protection & Detection Systems-Chemical Sys

Elevator Systems

EL-1 Electric Traction

EL-2 Electric Hydraulic

EL-3 Dumbwaiter

Special Purpose Mobile Equipment

EQ-1	**Fire Truck**
EQ-2	**Tour Bus**
EQ-3	**Ambulance**
EQ-4	**Light & Heavy Duty Trucks**
EQ-5	**Reach-All Bucket Truck**
EQ-6	**Altec Pole Truck**
EQ-7	**Semi-Trailers**
EQ-8	**Forklifts, Gasoline & Diesel**
EQ-9	**Hydraulic Mobile Cranes**
EQ-10	**Personnel Lift**
EQ-11	**Caterpillar Excavator**
EQ-12	**Trashmaster Compactor**
EQ-13	**Utility Trailers**
EQ-14	**Caterpillar Tractor/Dozer**
EQ-15	**Front End Loaders**
EQ-16	**Portable Generator**
EQ-17	**Tractor**
EQ-18	**Four Wheeler**
EQ-19	**Mower, Toro Groundsmaster**
EQ-20	**Hydraulic Sweeper**
EQ-21	**Roto Hoe Tiller**
EQ-22	**Sod Cutter**

EQ-23 Refuse Truck

EQ-24 Landscape Chipper

EQ-25 Flail Mower

EQ-26 Batwing Mower

EQ-27 Street Sweeper

EQ-28 John Deer BullDozer

EQ-29 John Deer TrackLoader

EQ-30 Caterpillar WheeledTractor-Scraper

HVAC Systems

M-1 Centrifugal Chiller

M-2 Reciprocating Chiller

M-3 Cooling Tower (Gear Drive)

M-4 Cooling Tower (Belt Drive)

M-5 Boiler (Gas)

M-6 Boiler (Electric)

M-7 Condenser Water Chemical Treatment System

M-8 Pumps (Chilled Water, Hot Water & Condenser Water)

M-9 Air Handling Unit

M-10 Heating Ventilation Unit

M-11 Computer Room Unit

M-12 RTU, Packaged & Unitary Units (DX Type Units)

M-13	**Unit Heater (Gas)**
M-14	**Fans, Blowers or Vents**
M-15	**Air Compressor**
M-16	**Kitchen Exhaust Hood**
M-17	**Walk-In Cooler (Refrigerator or Freezer)**
M-18	**Kitchen Exhaust Hood**

Mechanical Equipment

ME-1	**Oil and Water Separator – Bldg. 2105**
ME-2	**Oil and Water Separator – Bldg. 4400**
ME-3	**Oil and Water Separator – Bldg. 3305**
ME-4	**Engine Removal Platform-B1-B2-Level 7**
ME-5	**Engine Work Platform-Mini Platform-B1-Level 8**
ME-6	**Scissor Lift Platform-B1-Level 8**
ME-7	**Engine Removal & Work Platforms-A1-A2-Level 4 ½ & 5**
ME-8	**Mini-Platform-A2-Level 4 ½**
ME-9	**Scissor Lift Platform-A2-Level 4 1/2**
ME-10	**Scissor Lift Platform-A1-Level 4**
ME-11	**Roll-Up Overhead Doors (Air-Operated)**
ME-12	**Roll-Up Overhead Doors (Electric-Operated)**
ME-13	**Sliding Hangar Doors**
ME-14	**Structure Blast Doors**

ME-15 Oil and Water Separator - Bldg. 2606

ME-16 Pressure Sandblast Cabinet

ME-17 Vehicle Wash System

ME-18 Scissor Lift Table

ME-19 Hurco CNC Milling Machine BMC-50

ME-20 Mazak Nexus Quick Turn Center 250

ME-21 Mazak Nexus Vertical Milling Center 510C

ME-22 Oil/Water Separator System – Bldg. 3219

ME-23 Mazak Nexus Quick Turn Center 400-II

ME-24 Propellant Truck Scales

Marine Operations Systems

MO-1 Docks

MO-2 Canal Pumping Station

MO-3 Locks

MO-4 Lock Control Building

MO-5 LOX (Oxygen) Docks-Deleted

MO-6 Hydrogen Docks-Deleted

MO-7 Other Docks & Piers

MO-8 Bascule Bridge / Pumps

MO-9 Tugboat Clermont II

Natural Gas System

NG-1	**SSC Natural Gas System**

Potable Water System

PW-1	**Number 1 Well House Complex**
PW-2	**Number 2 Well House Complex**
PW-3	**Number 3 Well House Complex**
PW-4	**Number 3 Elevated Tank Pump House Complex**

Domestic Wastewater System

SS-1	**Lift Station, Slide Mounted Pump Type**
SS-2	**Lift Station, Secure Mounted Pump Type**
SS-3	**Lagoon System**
SS-4	**Septic Tank with Rock Reed Filter**
SS-5	**Septic Tank**
SS-6	**Sump Pump**
SS-7	**Lift Station, Slide Mounted Pump Type, Landfill Leachate System**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-1

13.8 KV System

AIR BREAK SWITCH, PAD MOUNTED

Task #1
Frequency-Semi-Annually (26 weeks)

Step	Description
1	Perform infrared and ultrasound analysis of switch contacts under load
2	Perform visual inspection of switch operating mechanism for significant degradation (Do Not Operate Switch).

Task # 2
Frequency - Six Years (312 weeks)

Step	Description
1	Inspect switch operating mechanism operation by opening and closing switch, criticality codes I, II, & III only
2	Inspect switch contacts for pitting or wear, criticality codes I, II, & III only

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	03/02	Revised Task 1 to perform infrared and ultrasound analysis. Deleted manual operation; deleted annual task; Revised Task 2 to be performed every 6th year and to perform manual operation and visual inspection.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-2

13.8 KV System

Fuse Cutout

Task # 1
Frequency - Semi-annually (26 weeks)

Step	Description
1	Perform infrared analysis on fuse element, criticality codes I, II, & III only
2	Perform infrared analysis on cutout contact area, criticality codes I, II, & III only

Task # 2
Frequency - Annually (52 weeks)

Step	Description
1	Perform infrared analysis on fuse element, criticality code IV only
2	Perform infrared analysis on cutout contact area, criticality code IV only

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-3

13.8 KV System

Pole Mounted Gang Switch

Task # 1
Frequency - Semi-annually (26 weeks)

Step	Description
1	Perform infrared analysis on switch contacts & connectors, criticality codes I, II, & III only

Task # 2
Frequency - Annually (52 weeks)

Step	Description
1	Perform infrared analysis on switch contacts & connectors, criticality code - IV only

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-4

13.8 KV System

MAGNE-BLAST CIRCUIT BREAKER

Task # 1

Frequency - Biennially (104 weeks)

Step	Description
1	Wipe clean silver plated contacts & primary disconnect studs. Lubricate with D50H47
2	Lubricate operating mechanism by applying a light coat of machine oil SAE 20 or SAE 30 to the sleeve bearings; main crank shaft and driving pawl lever, roller and needle bearings.
3	Wipe clean & apply D50H47 to ground surfaces such as latches, rollers, props, etc.
4	Clean moisture, dust and smoke residue from bushings & all other insulation surfaces.
5	Inspect arc chutes for damage or contamination in the throat area.
6	Check operation of unit heaters.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-5

13.8 KV System

SF6 Gas Switch

Task # 1
Frequency - Annually (52 weeks) - DELETED

Step	Description
~~1~~	~~Perform infrared analysis of switch case and connectors~~
~~2~~	~~Inspect switch external linkage~~
~~3~~	~~Inspect switch grounding components~~
~~4~~	~~Check SF6 Gas pressure gage for out of tolerance reading~~

Task # 2
Frequency - Quinquennially (260 weeks) - DELETED

Step	Description
~~1~~	~~Conduct resistance tests on switch contacts~~
~~2~~	~~Megger switch phase to phase and phase to ground~~

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	11/04	All Tasks / All steps deleted; maintenance performed under MTS E-6 and E-9 (See Alan Phillips)

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-6

13.8 KV System

TRANSFORMER, PAD MOUNT

Task #1
Frequency - Annually (52 weeks)

Step	Description
1	Perform infrared analysis of connectors/terminals, case, & cooling fins/tubes.
2	Inspect transformer grounding components
3	Inspect transformer for evidence of corrosion
4	Check fans (if installed)
5	Inspect transformer for oil leaks & top off as necessary
6	Inspect pressure, level, & temperature gages for abnormal readings

Task #2
Frequency - Triennial (156 weeks)

Step	Description
1	Perform gas in oil analysis

Task # 3
Frequency - Six Years (312 weeks)

Step	Description
1	Measure winding resistance & compare to historical data
2	Conduct power factor test

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-7

13.8 KV System

Pole Mounted Transformer

Task # 1

Frequency - Annually (52 weeks)

Step	Description
1	Perform infrared analysis, criticality codes I, II, & III only

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-8

13.8 KV System

Recloser

Task # 1

Frequency - Quarterly (13 weeks)

Step	Description
1	Check battery voltage and charging current at test terminals or on meter

Task # 2

Frequency - Annually (52 Weeks)

Step	Description
1	Perform infrared analysis on recloser case and electrical connections
2	Trip recloser from controller panel to check trip solenoid
3	Cycle recloser to check solenoid fuse, rotary solenoid, closing solenoid, & high voltage contractor
4	Check operation of manual closing mechanism

Task # 3

Frequency - Triennially (156 Weeks)

Step	Step Description
1	Inspect recloser per manufacturers recommendations

Task # 4

Frequency - During Scheduled Removals

Step	Step Description
1	Bench check recloser current transformers

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-9

13.8 KV System

Miscellaneous Distribution System

Task # 1
Frequency - Annual (52 weeks)

Step	Step Description
1	Perform infrared analysis on critical lines, fittings, connectors, etc. Criticality codes I, II, & III only

Task # 2
Frequency - Quinquennial (260 weeks)

Step	Step Description
1	Inspect wooden poles for rot or other degradation
2	Rap the pole sharply with a hammer weighing about 3 pounds, starting near the ground line and continuing upwards circumferentially around the pole to a height of approximately 6 feet. Prod the pole as near the ground line as possible using a pole prod or a screwdriver with a blade at least 5 inches long.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	10/04	Revised Task #2 Step 2

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-10

Area Lighting

Task # 1

Frequency - Annually (52 weeks)

Step	Step Description
1	Functionally check operation of photocell controls. Replace if inoperative.
2	Functionally check operation of luminaries. Check for ballast noise and lamp are strike. Replace defective lamps, ballasts, or fuses.
3	Functional check shall be ground level with area lighting units energized.
4	Wire brush, paint and touch-up rusted or corroded areas on pole and/or luminaire body.

For Inoperative Area Lighting Units: Based on 2% Failure Rate/Year

Step	Step Description
1	Inspect each luminary housing, lens, reflector, for security of mounting and cleanliness.
2	Check ballast compartment for loose connections, frayed wiring and excessive heat. Correct all discrepancies. Restore unit to operational condition.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-11

13.8 KV System

ELECTRIC METERS

Task # 1

Frequency -Quinquennially (260 weeks)

Step	Description
1	Calibrate Kwh meters installed at all locations on the 13.8 KV Electrical Distribution system .

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-12

13.8 KV System

LV Switchgear (including Switchboards) and Distribution Panelboards

Task #1
Frequency- Annually (52 weeks)

Step	Step Description
	Switchgear and Switchboard Criticality Level I - V
1	Inspect interior and exterior for damage, clean as necessary. Verify cover(s) and latch(s) operational.
2	Perform infrared analysis of Switchgear and Switchboard.

Task #2
Frequency-Triennial (156 weeks)

Step	Step Description
	Switchgear and Switchboard Criticality Level I and II
1	Test the instantaneous and long time delay trip function of all drawout circuit breakers in Switchgear. Measure Insulation Resistance and Contact Resistance. Record Results.
2	Test the instantaneous trip function of all main molded case circuit breakers in switchboards, 600 amperes and larger. Measure Insulation Resistance and Contact Resistance. Record Results.
3	Perform a spot insulation resistance test on each (phase to phase and phase ground) bus in switchgear using a megohmmeter.
4	Test the Auto-Transfer Function of the Low Side Main/ Tie Breakers at B4400, B4120, B4122, B4210, B4110, B4995 and B4220/4221.

Task #3
Frequency-Six Years (312 weeks)

Step	Step Description
	Switchgear and Switchboard Criticality Level III - V
1	Test the instantaneous and long time delay trip function of all drawout circuit breakers in Switchgear. Measure Insulation Resistance and Contact Resistance. Record Results.
2	Test the instantaneous trip function of all main molded case circuit breakers in switchboards, 600 amperes and larger. Measure Insulation Resistance and Contact Resistance. Record Results.
3	Perform a spot insulation resistance test on each (phase to phase and phase ground) bus in switchgear using a megohmmeter.
	Distribution Panelboards Criticality Level I-III
4	***Inspect panel interior and exterior for damage, clean as necessary.*** ***Verify panel cover and latch operational.***
5	Perform infrared analysis of panel.

6	Ensure panel scheduled is posted. If schedule is missing, obtain latest copy from Maintenance Engineering or CEF and post in panel. If panel schedule is not available, issue a CM work order to trace circuits, to create a panel schedule, and file a copy with CEF. Note on panel schedule, "Warning - Panel Schedule May Not Be Accurate."

Definitions:

Switchboard. A large single panel, frame, or assembly of panels on which are mounted, on the face or back, or both, switches, over-current and other protective devices, buses, and usually instruments. Switchboards are generally accessible from the rear as well as from the front and are not intended to be installed in cabinets.

Distribution Panelboard. A single panel or group of panel units designed for assembly in the form of a single panel; including buses, automatic over-current devices, and equipped with or without switches for the control of light, heat, or power circuits; designed to be placed in a cabinet or cutout box placed in or against a wall or partition and accessible only from the front.

Metal-enclosed medium voltage switchgear can contain either drawout electrically operated circuit breakers or stationary electrically operated circuit breakers in individual three-pole grounded metal compartments. Metal-clad switchgear is compartmentalized to isolate all components such as instrumentation, main bus, and both incoming and outgoing connections with grounded metal barriers. Switchgear can also contain associated control, instruments, metering, relaying, protective, and regulating devices as necessary.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	Removed 13.8 KV System Designation
2	**2/01**	Removed Panel boards from Description Headings in Tasks 2 (all) and 3 (Steps 1, 2, &3), Added Specific Tests, and Revised Amperage Rating of MCCB
3	**8/01**	Test Auto-Transfer Function

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-13

Motor Control Centers

Task #1
Frequency- Annually (52 weeks)

Step	Description
1	Perform IR analysis of MCC circuit breakers, starter relamp and overload relamp.
2	Check functionality of panel lamps and replace as necessary.

Task #2
Frequency- Triennial (156 weeks)

Step	Description
1	Clean cubicle, inspect contractor and overload relay for damage or wear.
2	Conduct insulation resistance tests on components and bus network.
3	Operate "Hand-Off-Auto" switch and verify functionality.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-14
Emergency Electrical Lighting

Sitewide Electrical Emergency Lighting

Task #1
Frequency- Quarterly (13 weeks)

Step	Description
1	Perform functional check and visually check indicator lights for proper operate. Operate for a minimum of thirty (30) seconds. Replace bulbs as required.
2	Verify proper operation of automatic battery charger. (High-Rate Charging-red light; Ready Mode-yellow light)
3	Inspect battery terminals for cleanliness and corrosion. Clean the battery as required.
4	Inspect all electrical connections for tightness.
5	Inspect the main power cable and plug where applicable for defective insulation, and correct any discrepancies noted.
6	Visually inspect exit lights for burned out bulbs and replace as required.

Fluorescent Fixtures with Emergency Battery Packs
Task #2
Frequency- Semiannual (26 weeks)

Step	Description
1	Perform a walk-through inspection of all battery-equipped fluorescent fixtures to confirm charging indicator light is on at normal brightness.
2	Replace any defective, bulbs, battery pack or charging switch unit.
3	Verify all emergency lights are operational and maintain configuration for (30) thirty seconds. Correct all discrepancies.

Emergency Lighting Systems with Battery Banks, Chargers

Task #3
Frequency- Annual (52 weeks)

Step	Description
1	Perform all quarterly and semi-annual cycle maintenance tasks.
2	Perform a 90 minute test per NFPA 101.
3	Perform load test on battery bank per equipment specifications and system requirements. Correct all discrepancies.
4	Return all equipment to normal configuration.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-15

Dry Type Transformers, 45 Kva and Above

Task #1

Frequency - Annually (52 weeks)

Step	Description
1	**Criticality Level I** Check transformer air flow, remove any obstructions and clean unit of dust or dirt buildup.
2	Measure and record primary and secondary voltages and currents.
3	Perform IR analysis.
4	Inspect terminal voltage taps and mounting hardware for looseness or physical degradation. Verify transformer ground.
5	Verify number of wires and sizes for both primary and secondary side.

Task #2

Frequency - Triennial (156 weeks)

Step	Description
1	**Criticality Level II – III** Check transformer air flow, remove any obstructions and clean unit of dust or dirt buildup.
2	Measure and record primary and secondary voltages and currents.
3	Perform IR analysis.
4	Inspect terminal voltage taps and mounting hardware for looseness or physical degradation. Verify transformer ground.
5	Verify number of wires and sizes for both primary and secondary side.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation
2	**6/05**	Removed insulation resistance test

Uninterruptible Power Supplies (UPS) 7 Kva Above

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-16

Task #1
Frequency- Monthly

Step	Step Description
1	Replace air filters, where applicable.
2	Check LEDs.
3	Check cooling fan operations.
4	Measure rectifier output voltage.
5	Perform general inspection to include appearance and cleanliness of battery bank and battery rack. Visually inspect Cables/Straps for Corrosion. Clean as necessary. Inspect for cracks or electrolyte leakage. Replace as necessary.
6	On Wet Cell Systems – Check Electrolyte Level of each cell. Add electrolyte as necessary.

Task #2
Frequency- Quarterly

Step	Step Description
1	On Wet Cell Systems – Measure, Record, Trend, and Evaluate Cell Voltages, Cell Temperatures, Specific Gravity, Cell to Cell and Terminal Connection Resistances. Evaluate need for equalization charge. Perform equalization charge as necessary.

Task #3
Frequency- Semi-Annually

Step	Step Description
1	Perform self-diagnostics test as recommended by manufacturer.
2	On Sealed Cell Systems – Measure, Record, Trend, and Evaluate Cell Voltages, Internal and Strap/Cable Impedances – Replace as necessary.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation
2	**2/01**	Incorporated Batteries

Task #4
Frequency- Triennially (156 weeks)

Step	Step Description

1	Place unit on maintenance bypass and safe. Inspect all internal power cables for overheating or other damage. Inspect all PC board connections and replace any detective inverter power assemblies. Note: Depending on power up access, an infrared scan of the unit can be substituted for visual inspection.
2	Inspect cooling fans for dust or dirt buildup, clean as necessary. Check for any impediments to rotations.
3	On Sealed Cell Systems – Evaluate trending information to determine need for battery replacement. Replace if necessary.

Task #5
Frequency – Five Years (260 weeks)

Step	Step Description
1	On Wet Cell Systems – Perform Battery Performance Capacity Test – Take Corrective Actions as necessary.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation
2	**2/01**	Incorporated Batteries

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-17

Diesel Generators

Task #1

Frequency- Monthly (4 weeks)

Step	Description
1	Operate generator under load, check voltage and frequency.
2	Inspect visible wiring for damage.

Frequency- Semi-Annually (26 weeks)

Step	Step Description
1	Wipe down generator, remove all dirt and debris.

Frequency- Annually (52 weeks)

Step	Step Description
1	Perform IR analysis on generator.
2	Perform vibration analysis on generator.
3	Blow dust out of interior of generator.
4	Check all electrical connections, inspect insulation for fraying or heat damage.

Frequency- Six Years (312 weeks)

Step	Step Description
1	Insulation resistance test stat or windings.
2	Insulation resistance test rotor windings.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-18

Cathodic Protection

Impressed Current Rectifier

Task #1

Frequency- Quarterly (13 weeks)

Step	Description
1	Clean interior unit.
2	Read and record output voltage and current values. Compare with previous readings. If readings are out of specified values, adjust rectifier output per manufacturer recommendations.
3	Inspect unit for arc damage or other component deterioration.
4	Check filter fuses (if so equipped). If fuse blows after replacement, replace capacitor.

Frequency- Annually (52 weeks)

Step	Description
1	Establish baseline and conduct annual infra-red tests of rectifier assembly (Look for variations from baseline – hot or cold spots).
2	Rectifiers with selenium rectifiers installed, conduct stack tests (forward voltage drop and reverse current leakage tests).
3	Rectifiers with silicon rectifiers installed, check surge suppression circuit for proper operation.
4	Check filter fuses (if so equipped). If fuse blows after replacement, replace capacitor.

Impressed Current Anodes

Task #2

Frequency- Annually (52 weeks)

Step	Step Description
1	Inspect areas of the protected system and impressed current anodes for corrosion and condition of anodes, record results.
2	Measure anode to structure current and structure to soil potential and record results. Adjust rectifier taps to obtain a structure to soil potential of 0.85 V DC.

Sacrificial Anode System
Task #3
Frequency- Annually (52 weeks)

Step	Step Description
1	Inspect areas of the protected system and sacrificial anodes for corrosion and condition of anodes, record results.
2	Measure structure to soil potential and anode to soil potential and record results.
3	Measure anode to structure current and record results.

Task #4
Frequency- As Possible (During any planned excavations of buried systems)

Step	Step Description
1	Inspect excavated portions of buried systems during repair, modifications or other tasks that expose system components. Record inspection results for future actions and system history.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-19

Lightning, Grounding, and Surge Protection

Task #1

Frequency- Annually (52 weeks)

Step	Description
1	Inspect all conductors and system components are securely fastened to their mounting surfaces and are protected against mechanical displacement.
2	Check for loose connections that may result in high-resistance joints.
3	Check for parts of the system that may have been weakened by corrosion or vibration.
4	Check for any visual indication of damage to surge suppression (over voltage) devices.
5	Inspect to determine if the effectiveness of the lightning protection system has been altered due to additions to, or changes in, the structure.
6	Record results of the general condition of air terminals, conductors, and other system components.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	Removed 13.8 KV System Designation

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-20
Fire Protect & Detect

Fire Alarm Central Console

Task #1

Frequency- Triennial (156 weeks)

Step	Description
1	Perform manufacturer recommended preventative maintenance inspection schedule.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-21
Fire Protect & Detect

Radio Frequency Transceivers - Fire

Task #1

Frequency- Triennial (156 weeks)

Step	Description
1	Perform manufacturer recommended preventative maintenance inspection schedule.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-22
Fire Protection & Detection Systems

Facility Fire Alarm Panels

Task #1
Frequency- Semi-Annually (26 weeks)

Step	Description
1	Notify Security Dispatcher at Building 2201 and Building occupants.
2	Check alarm lamps of the area control panel.
3	Check audible/visual circuits, place control panel in alarm for functional check, then reset to normal configuration.
4	Verify alarm sent to Security Dispatcher
5	Measure and record battery voltage under full load conditions with battery charger disconnected.
6	Correct all discrepancies and return system to normal configuration.
7	Notify Security Dispatcher - test complete.

Facility Fire Alarm Panels

Task #2
Frequency- Annually (52 weeks)

Step	Description
1	Notify Security Dispatcher at Bldg 2201 and Building occupants.
2	Check audible/visual circuits.
3	Operate each manual pull station. Verify area control panel is in alarm and reset after each manual pull station.
4	Activate each smoke detector. Verify area control panel is in alarm and reset after each smoke detector test.
5	Verify alarm sent to Security Dispatcher.
6	Place a “trouble” on area control panel; disable audible/visual devices.
7	Place each zone into alarm sequentially; reset the panel.
8	Measure and record battery voltage under full load conditions with battery charger disconnected.
9	Verify the conditions of the batteries; replace batteries if not operating properly.
10	Correct any discrepancies and return system to normal configuration.
11	Notify Security Dispatcher - test complete.
12	Review computer printout; verify alarms are in the same sequence as was performed in steps 3 and 4 above, and that the text matches schedule.

Facility Fire Alarm Panels

Task #3

Frequency- Tri-Annually (156 weeks)

Step	Description
1	Notify Security Dispatcher at Building 2201 and Building occupants.
2	Check audible/visual circuits.
3	Operate each manual pull station. Verify area control panel is in alarm and reset after each manual pull station
4	Activate each smoke detector. Verify area control panel is in alarm and reset after each smoke detector test.
5	Verify alarm sent to Security Dispatcher.
6	Place a “trouble” on area control panel; disable audible/visual devices.
7	Place each zone into alarm sequentially; reset the panel.
8	Measure and record battery voltage under full load conditions with battery charger disconnected.
9	Verify the conditions of the batteries; replace batteries if not operating properly.
10	Correct any discrepancies and return system to normal configuration.
11	Notify Security Dispatcher - test complete.
12	Review computer printout; verify alarms are in the same sequence as was performed in steps 3 and 4 above, and that the text matches schedule.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-23
Fire Protection & Detection Systems

Facility Security Systems

Task #1
Frequency-Semi-Annually (26 weeks)

Step	Description
1	Notify Security Dispatcher at Building 2201 and building occupants.
2	Activate Security System. Verify area control panel is in alarm and reset security system after test.
3	Verify alarm sent to Security Dispatcher.
4	Correct all discrepancies and return system to normal configuration.
5	Notify Security Dispatcher - test complete.

Facility Security Systems

Task #2
Frequency-Annually (52 weeks)

Step	Description
1	Notify Security Dispatcher at Building 2201 and building occupants.
2	Activate Security System. Verify area control panel is in alarm and reset security system after test.
3	Verify alarm sent to Security Dispatcher.
4	Correct all discrepancies and return system to normal configuration.
5	Notify Security Dispatcher - test complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-24
Fire Protection & Detection Systems

Sprinkler and Suppression Systems

Task #1
Frequency- Quarterly (13 weeks)

Step	Description
1	Notify Security of the location where testing and checks will be conducted.
2	Check system and all components for visual damage.
3	Verify Hydraulic nameplate is attached.
4	Verify exterior alarms are identified.
5	Clean strainers and filters.
6	Record sprinkler supply pressure.
7	Record sprinkler system pressure.
8	Perform main drain flow test. Record valve size, system pressure and supply pressure while flowing.
9	Ensure water flow alarm devices activate.
10	Ensure exterior alarms activate.
11	Perform inspectors test flow.
12	Record time to ring alarm from main drain or inspectors test flow valve.
13	Record time to ring alarm from flow switch or pressure switch.
14	Correct any discrepancies if possible. If not, document and advise Shift Fire Dept. Lieutenant
15	Notify Security when tests are complete.

Task #2
Frequency- Annual (52 weeks)

Step	Description
1	Notify Security of the location where testing and checks will be conducted.
2	Inspect alarm and check valves internally.
3	Lubricate and operate control valves through their full range and return to normal position. (Note: When opening post indicator valves, open until spring or torsion is felt in the rod. Turn post indicator and OS&Y valves back 1/4 turn from fully open position)
4	Verify tamper switches and/or locks are in place and work properly.
5	Perform Quarterly PM or Main drain test after operating control valves.
6	Correct all discrepancies if possible. If not, document and advise Shift Fire Dept.

	Lieutenant
7	Notify Security when tests are complete.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**8/00**	**Deleted Annual Frequency (Steps duplicate of Semi-Annual)**
Total revision of all steps in Semi-Annual Frequency		
2	**3/04**	**Changed Semi Annual to Quarterly; to better meet NFPA 25 standards. Removed steps 2, 3, 4, 7** **Steps 1, 7 were changed to "Notify Security…" instead of "Notify Fire Dept…"** **Added new steps (2-5)** **Added Annual frequency to maintain control, alarm, and check valves.**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-25
Fire Protection & Detection Systems

Fire Hydrants

Task #1

Frequency- Annually (52 weeks)

Step	Description
1	Consult NFPA 25 – to compute water flow.
2	Remove caps and open hydrant. Ensure water discharge is directed away from areas that may be damaged by the water.
3	Inspect for damage. Lubricate caps. Threads must be in good condition. Identify any leaks.
4	Lubricate operating nut and stem with appropriate oil or grease for the hydrant. Verify valve and operating nut/stem work smoothly.
5	Verify that barrel drains are working properly.
6	Notify Shift Fire Dept. Lieutenant of any discrepancies & ensure proper entries are made on the work order. Make proper entries in daily log and/or records

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	3/04	Added steps 4 & 5

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-26

Fire Protection & Detection Systems

CO_2 SUPPRESSION SYSTEM

TASK #1

WEEKLY

1	Record tank pressure and liquid level gauge readings in the system's data logbook. If tank shows a level loss of more than 10 percent from previously logged reading, inspect system for leakage. If the minimum gas requirements (10,500 lbs) are not provided, contact system engineer to refill tank. If tank pressure is out of the normal range (250 – 315 psig), inspect refrigeration unit for proper operation and/or inspect system for leakage.

TASK #2

MONTHLY

1	Inspect gauges and refrigeration unit for proper operation.
2	Inspect tank, valves, and piping for leaks, cracks in insulation, and damage.

TASK #3

SEMI-ANNUALLY

1	Inspect entire system (tank, valves, piping, refrigeration unit, gauges, etc.) for leaks, cracks in insulation, and damage.
2	Remove man way access panel and check man way insulation for water/ice buildup. Inspect for signs of leakage around man way and repair as required.
3	Refrigeration System: A. Check voltage and amperage B. Check disconnect switch for good contact when closed C. Inspect fuses, fuse holders, and fuse size D. Remove all junction box covers and inspect wiring E. Inspect refrigeration pressure switch contacts and check switch for proper operation (on at 305 psig, off at 295 psig) F. Check dual refrigerant pressure control for proper operation (off at +6 psig, on at +18 psig, off at 300 psig) G. Check oil level in compressor H. Clean condenser coil I. Check refrigerant level J. Check moisture indicator for a dry system indication K. Check suction pressure (15-22 psig at 60 degrees F or above) L. Check discharge pressure
4	Check operation of Abnormal Pressure alarm and Low Actuation Pressure alarm

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-27
Fire Protection & Detection Systems

KITCHEN HOOD WET CHEMICAL SYSTEM
TASK #1
MONTHLY

1	Verify the extinguishing system is in proper location for maximum fire suppression
2	Verify manual actuators are unobstructed
3	Verify tamper indicators and seals are intact
4	Verify no damage or corrosion exists that may prevent operation
5	Verify the pressure gauge(s), if provided, is in operable range
6	Verify nozzle blow-off caps are intact and undamaged
7	Verify the hood, duct, and protected cooking appliances have not been replaced, modified, or relocated

TASK #2
SEMI-ANNUALLY

1	Verify the hazard this system covers has not changed
2	Inspect all detectors, expellant gas container(s), releasing devices, piping, hose assemblies, nozzles, signals, and all auxiliary equipment
3	Verify the agent distribution system is not obstructed
4	Inspect chemical containers and other system components for corrosion and damage

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-28

TRANSFORMER, SPARE B4400

Task #1
Frequency - Weekly

Step	Description
1	Inspect transformer for oil leaks (notify FOSC Environmental Personnel if leaks are found)
2	Inspect level, & temperature gages for abnormal readings
3	Verify positive pressure (but less than 5 psig) on transformer (have Plumbing Shop adjust pressure regulator as needed)
4	Inspect pressure gauge for the nitrogen purge for the amount of nitrogen left in bottle (coordinate with Plumbing Shop for repair of leaks in the nitrogen purge tubing and/or change out of nitrogen bottle)

Task #2
Frequency - Annually (52 weeks)

Step	Description
1	Perform gas in oil analysis

Task # 3
Frequency - Triennial (156 weeks)

Step	Description
1	Measure winding resistance & compare to historical data
2	Conduct power factor test

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-29

GNB Battery Charger

Task #1
Frequency- Semi-Annually (26 weeks)

Step	Step Description
1	Place unit on maintenance bypass and safe. Inspect all internal power cables for overheating or other damage. Inspect all PC board connections and replace any detective inverter power assemblies. Note: Depending on power up access, an infrared scan of the unit can be substituted for visual inspection. Inspect fuses and breakers.
2	Inspect cooling fan(s) and charger cabinet for dust or dirt buildup, clean as necessary. Check for any impediments to fan(s) rotation(s).

Task #2
Frequency- Annually (52 weeks)

Step	Step Description
1	Measure and record A.C. Input Voltages.
2	Measure and record D.C. Output Voltages.
3	Measure and record Float and Equalize Voltages at the Output Terminals.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
Basic	8/01	Initial Release

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-30

Variable Frequency Drives

Task #1
Frequency- Annually (52 weeks)

Step	Description
1	Perform IR analysis of variable frequency drive.
2	Check functionality of panel lamps and replace as necessary.

Task #2
Frequency- Triennial (156 weeks)

Step	Description
1	Clean cubicle, check connections, inspect contactor and overload relay for damage or wear, inspect DC bus capacitors, check circulating fans, and verify heat sink temperature.
2	Take voltage measurements on bus network and components.
3	Operate “Hand-Off-Auto” switch and verify functionality.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-31

Starters

Task #1
Frequency- Annually (52 weeks)

Step	Description
1	Perform IR analysis of starter.
2	Check functionality of panel lamps and replace as necessary.

Task #2
Frequency- Triennial (156 weeks)

Step	Description
1	Clean cubicle, inspect contactor and overload relay for damage or wear.
2	Operate “Hand-Off-Auto” switch and verify functionality.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #EL-1
Elevator Systems

Electric Traction

Task #1
Frequency – Monthly (4 weeks)

Step	Description
1	Check firefighters' recall key switch for proper operation.
2	Check for presence of fire extinguisher in equipment room, for proper pressure range and replace extinguisher if required.

Task #2
Frequency-Semi-Annually (26 weeks)

Step	Description
1	Check for proper operation of door opening and closing devices.
2	Check for proper landing/level between car and building floors.
3	Check car operating control devices for proper operation.
4	Check car lighting for proper operation.
5	Check car emergency signal and telephone for proper operation.
6	Check for structural integrity and secure mounting of car, guide rail brackets and rails, wire rope attachments, sheaves, drive hoist components and limit switches.
7	Check gear box oil level and refill as required.
8	Lubricate motor to drum drive components as required.
9	Lubricate guide rails, door linkages and sheave bearings as required.
10	Lubricate hoist and governor wire ropes as required.
11	Check that the car top and machine room are clean and dry.
12	Check the inspection switch on top of the car for proper operation.
13	Check stop switches for proper operation.
14	Perform insulation resistance test on drive motor. A reading below 1 megohm requires additional inspection or repairs.
15	Check buffers for bent or broken parts.
16	Check wire rope per ASME 17.1, Safety Code for Elevators and Escalators, and change if required.
17	Check that counterweight does not contact buffers during elevator operation.
18	Check sump pump for proper operation.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION

1	**2/06**	**MTS completely revised to agree with elevator code.**

Electric Traction

Task #3

Frequency-Annually (52 weeks)

Step	Description
1	Check for proper operation of door opening and closing devices.
2	Check for proper landing/level between car and building floors.
3	Check car operating control devices for proper operation.
4	Check car lighting for proper operation.
5	Check car emergency signal and telephone for proper operation.
6	Check electrical connections from power supply to drive motor.
7	Check for structural integrity and secure mounting of car, guide rail brackets and rails, wire rope attachments, sheaves, drive hoist components and limit switches.
8	Check gear box oil for dirt, grease or other impurities and drain/refill as required.
9	Lubricate motor to drum drive components as required.
10	Lubricate guide rails, door linkages and sheave bearings as required.
11	Lubricate hoist and governor wire ropes as required.
12	Check that the car top and machine room are clean and dry.
13	Check the inspection switch on top of the car for proper operation.
14	Check stop switches for proper operation.
15	Perform insulation resistance test on drive motor. A reading below 1 megohm requires additional inspection or repairs.
16	Check buffers for bent or broken parts.
17	Check wire rope per ASME 17.1, Safety Code for Elevators and Escalators, and change if required.
18	Check condition of limit switches and brake solenoid.
19	Check drive brake mechanism for loose or worn components, evidence of binding, lining wear, proper lubrication and check drum to lining clearance.
20	Check that counterweight does not contact buffers during elevator operation.
21	Check sump pump for proper operation.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**2/06**	**MTS completely revised to agree with elevator code.**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #EL-2
Elevator Systems

Electric Hydraulic

Task #1
Frequency – Monthly (4 weeks)

Step	Description
1	Check firefighters' recall key switch for proper operation.
2	Check for presence of fire extinguisher in equipment room, for proper pressure range and replace extinguisher if required.

Task #2
Frequency-Semi-Annually (26 weeks)

Step	Description
1	Check for proper operation of door opening and closing devices.
2	Check for proper landing/level between car and building floors.
3	Check car operating control devices for proper operation.
4	Check car lighting for proper operation.
5	Check car emergency signal and telephone for proper operation.
6	Check for structural integrity and secure mounting of car, guide rail brackets, guide rails, cylinder/pillar brackets, drive hoist components and limit switches.
7	Check hydraulic tank oil level and refill as required.
8	Check hydraulic pumping system for oil leaks and condition of lines.
9	Check the car jack cylinder for proper lubrication.
10	Lubricate guide rails and door linkages as required.
11	Check that the car top and machine room are clean and dry.
12	Check the inspection switch on top of the car for proper operation.
13	Check stop switches for proper operation.
14	Check buffers for bent or broken parts.
15	Check that counterweight does not contact buffers during elevator operation.
16	Check sump pump for proper operation.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**2/06**	**MTS completely revised to agree with elevator code.**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #EL-2
Elevator Systems

Task #3
Frequency-Annually (52 weeks)

Step	Description
1	Check for proper operation of door opening and closing devices.
2	Check for proper landing/level between car and building floors.
3	Check car operating control devices for proper operation.
4	Check car lighting for proper operation.
5	Check car emergency signal and telephone for proper operation.
6	Check electrical connections from power supply to hydraulic pump motor.
7	Check for structural integrity and secure mounting of car, guide rail brackets, guide rails, cylinder/pillar brackets, drive hoist components and limit switches.
8	Perform PT&I analysis of hydraulic tank oil and fill/replace as required.
9	Check hydraulic pumping system for oil leaks and condition of lines and fittings at relief valve pressure for minimum of 30 seconds.
10	Verify that the relief valve will bypass full hydraulic pump flow.
11	Check oil pressure switch for proper operation.
12	Check the car jack cylinder for proper lubrication.
13	Hold car in raised position for 15 minutes to check for jack cylinder movement.
14	Lubricate guide rails and door linkages as required.
15	Check that the car top and machine room are clean and dry.
16	Check the inspection switch on top of the car for proper operation.
17	Check stop switches for proper operation.
18	Check buffers for bent or broken parts.
19	Check that counterweight does not contact buffers during elevator operation.
20	Check sump pump for proper operation.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	2/06	MTS completely revised to agree with elevator code.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #EL-3

Elevator Systems

Dumbwaiter

Task #1

Frequency-Annually

Step	Description
1	Check for proper operation of door/gate opening and closing devices.
2	Check for structural integrity and secure mounting of car, guide rail brackets, guide rails, wire rope attachments, sheaves, drive hoist components and limit switches.
3	Check gear box oil for dirt, grease or other impurities and drain/refill as required.
4	Lubricate motor to drum drive components as required.
5	Check drive brake mechanism for loose or worn components, evidence of binding, lining wear, proper lubrication, and check drum to lining clearance.
6	Check that the car top and machine room/pit are clean and dry.
7	Lubricate guide rails, door/gate linkages and sheave bearings as required.
8	Check call buttons/controller for loose terminal connections and components, burned or frayed wiring, dust buildup and proper operation of indicator lights.
9	Check electrical connections from power supply to drive motor.
10	Check limit switches and brake solenoid wire condition and terminal connections.
11	Perform insulation resistance test on drive motor. A reading below 1 megohm requires additional inspection or repairs.
12	Check wire rope for corrosion, abrasions, abnormal wear, cuts or other physical damage and replace if required. Omit steps 13, 14 and 15 if rope is replaced.
13	Check wire ropes for uniformity of tension.
14	Check actual rope diameter of a rope lay and replace the wire rope if the nominal diameter (inches) is reduced from 1/4 (0.25) to 7/32 (0.219). Omit step 15 if the rope is replaced.
15	Replace the wire rope if a rope lay contains 12 – 18 broken wire equally distributed among the strands, has 6-12 broken wires that predominates one or two strands, or has one or more valley breaks in the rope lay.
16	Lubricate the wire rope as required.
17	Perform a no-load operational test of safety devices and stop switches.
18	Check for proper landing/level between car and building floors.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/05**	**Deleted steps 1-2 and added new steps 1-17**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-1
Special Purpose Mobile Equipment

Fire Truck

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Lubricate chassis and drive train
2	Check engine oil level

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Lubricate motor fittings if applicable

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission and rear axle oil and filters
2	Repack wheel bearings
3	Replace engine antifreeze
4	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	12/00	Added Step-4 to Task #3

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-2
Special Purpose Mobile Equipment

Tour Bus

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check tire condition and air pressure.
2	Check engine, brake, transmission, power steering, coolant and battery fluid levels.
3	Check battery terminal connections.
4	Check interior and exterior lights.
5	Check instrument panel cluster for proper operation
6	Check braking systems for proper operation.
7	Check heating/air conditioning air filter and change if required.
8	Check the heating/air conditioning system for proper operation.
9	Check wheelchair lift for proper operation.

Task # 2
Frequency – Semi-Annually (26 weeks)

Step	Description
1	Change engine oil and filter.
2	Lubricate steering, suspension and driveline zerk fittings as required.

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission and differential oil.
2	Check/clean transmission filter and change if required.
3	Change engine coolant.
4	Change fuel filter.
5	Change engine air filter.
6	Check brake pads, shoes, rotors, drums, lines, hoses and parking brake system components and repair/replace as required.

7	Check engine belts.
8	Check engine exhaust system.
9	Operate wheelchair lift to check clearances, roll stop, landing, handrails and for loose/missing snap rings or bracket/cotter pins.
10	Lubricate wheelchair lift pivot and slide points as required.
11	Check wheelchair lift for proper operation and check microswitches and solenoids.
12	Check wheelchair lift hydraulic fluid level and condition.
13	Check wheelchair lift for secure mounting of cylinders and for leaks.
14	Check wheelchair lift power cable and connections to battery.
15	Perform wheelchair lift rated load test (800 lbs.) per appropriate job plan.

Task # 4
Frequency – Three Year (156 weeks)

1	Replace engine spark plugs.
2	Change engine PCV valve.
3	Lubricate/repack wheel bearings.
4	Check NGV fuel tanks, fittings and lines.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	12/00	Added Step-4 to Task #3
2	6/05	Deleted Task #1 steps 1-2 and added 1-9; Added new Task #2 step 2; revised Task #3 steps 1 and 3 verbiage and deleted step 4, added new step 2 and steps 4-15; added Task #4.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-3
Special Purpose Mobile Equipment

Ambulance

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Lubricate chassis and drive train
2	Check engine oil level

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Lubricate motor fittings if applicable

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission and rear axle oil and filters
2	Repack wheel bearings
3	Replace engine antifreeze
4	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**8/00**	**Deleted**
2	**12/00**	**Added Step-4 to Task #3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-4
Special Purpose Mobile Equipment

Light & Heavy Duty Trucks

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check engine oil

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	For automatic transmission change transmission oil and filter
2	Change engine antifreeze
3	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added Step-3 to Task #3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-5
Special Purpose Mobile Equipment

Reach-All Bucket Truck

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check oil levels at axles, transmission, power take off case and engine crankcase
2	Check fluid levels in gear reduction boxes
3	Apply Heavy Duty Multipurpose Grease to the following Zerk fittings: A. Turntable bearing B. Turntable drive gearbox C. Lower boom pivot pin D. Lift cylinder pivots E. Elbow cylinder pivots F. Upper boom pivot pin G. PTO shaft H. Outrigger cylinder pivots I. Outrigger arm pivots
4	Apply Heavy Duty Multipurpose Grease to Turning Gear toothed surfaces
5	Check gearcase oil level on turntable drive gearbox; fill with SAE-140 oil
6	Check platform leveling gearbox oil level; fill with SAE-140 oil
7	Apply one or two drops of oil to Control valve linkage pivots.
8	Check engine oil level

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Send vehicle off-site for PM on Hydraulics, Dielectric Testing and Load Test

Task # 3
Frequency – Annually (52 weeks)

Step	Step Description
1	Change oil in differentials, transmission and power take off case as per manufacturer's specifications
2	Drain and flush hydraulic reservoir; refill per manufacturer's specifications
3	Drain and flush cooling system
4	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added Step-4 to Task #3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-6
Special Purpose Mobile Equipment

Altec Pole Truck

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check oil levels at axles, transmission and power take off case and engine crankcase

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Perform on the chassis winch and turntable winch: A. Check gear box oil level; fill as required. B. Lubricate outboard shaft bearings. C. Lubricate worm bearings
3	Perform on the outriggers: A. Lubricate outrigger valve handle linkage B. Lubricate outrigger leg outer surface
4	Perform on the Turntable: A. Check rotation gear box oil level B. Lubricate rotation bearing bull gear teeth C. Lubricate rotation box pinion gear teeth D. Lubricate rotary joint E. Lubricate rotation gear box pinion shaft upper bearing F. Lubricate rotation bearing ball race
5	Lubricate lift cylinder pivot bearings
6	Lubricate 2nd stage winch rope rollers
7	Lubricate 2nd stage boom outer surfaces
8	Lubricate 3rd stage slide bearing pivot point
9	Lubricate auger stow switch plunger
10	Lubricate boom stow switch plunger
11	Perform on pole guide:

	A. Lubricate pole guide tilt pivot pins B. Lubricate pole guide rack and gear teeth
12	Apply anti-seize lubricant to transferable tip pins and bosses

13	Perform on the auger assembly: A. Lubricate auger stowage bracket latch B. Lubricate auger wind-up cable
14	Perform on the digger assembly: A. Check digger motor oil level B. Lubricate digger link detent paddle C. Lubricate digger link pivot pins

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Replace engine antifreeze
2	Drain differentials, transmission and power take off case and refill as per manufacturer's specifications
3	Drain and flush hydraulic reservoir; refill per manufacturer's specifications
4	Clean/change reservoir filler hole strainer
5	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added Step-5 to Task #3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-7
Special Purpose Mobile Equipment

Semi-Trailers

Task # 1

Frequency – Semi annually (26 weeks)

Step	Description
1	Lubricate kingpin and plate, ball receptacle if applicable, gooseneck fittings, front dolly gear boxes, brake linkage and chassis components per manufacturer's specifications
2	Lubricate air brake slack adjusters

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-8
Special Purpose Mobile Equipment

Forklifts, Gasoline and Diesel

Task # 1
Frequency – Semi annually (26 weeks)

Step	Description
1	Lubricate all grease fittings with multipurpose grease
2	Check transmission oil level
3	Check differential oil level
4	On Clark forklift NL 120-116 only, check oil level in the wheel planetary hub
5	Change engine oil and filter
6	Check lubricant in steering box
7	Check fluid level of hydraulic tank
8	Apply grease, multipurpose to mast slide bars with brush

Task # 2
Frequency – Annually (52 weeks)

Step	Description
1	Drain transmission and replace transmission filter and refill
2	Drain and flush cooling system
3	Check hydraulic fluid for metal shavings and other contamination
4	Drain and flush hydraulic system, if required, replace hydraulic fliter and refill. Operate hydraulic system to remove air.
5	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added Step-5 to Task #2**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-9
Special Purpose Mobile Equipment

Hydraulic Mobile Cranes

Task # 1
Frequency – Monthly (40 hour)

Step	Description
1	Boom and Cab: A. Lubricate fittings and slider pads with multipurpose grease B. Lubricate swing gear with wire rope grease C. Check swing reducer gear oil level
2	Engine: A. Check oil level

Task # 2
Frequency – Quarterly (100 hour)

Step	Description
1	Carrier: A. Lubricate fittings with multipurpose grease B. Check the clutch master cylinder fluid lever
2	Engine: A. Change the crankcase oil and filter

Task # 3
Frequency – Semiannual (200 hour)

Step	Description
1	Collector Ring: A. Lubricate the collector ring base with multipurpose grease
2	Carrier: A. Remove and replace the hydraulic tank filters B. Check fluid levels of the main and auxiliary transmissions C. Check the rear axles fluid levels

	D. Drain fuel tank of water or sediment
3	Engine: A. Lubricate alternator bearings B. Lubricate the throttle control mechanism
4	Jib Attachment: A. Lubricate bearings on the jib pulley using multipurpose grease

Task # 4
Frequency – Annual (500 hour)

Step	Description
1	Winches: A. Check fluid level
2	Carrier: A. Drain and refill the hydraulic tank B. Repack all axle wheel bearings with heavy duty grease
3	Engine: A. Lubricate the over-speed governor B. Replace engine antifreeze C. Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.
4	Differential: A. Drain and refill the rear differential
5	Transmission: A. Drain and refill the main and auxiliary transmissions
6	Proof test as specified in MI CP-1001

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added B&C to Step-3 on Task #4**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-10
Special Purpose Mobile Equipment

Personnel Lift

Task # 1

Frequency – Quarterly (13 weeks)

Step	Description
1	Chassis and Drive Train: A. Apply multipurpose grease to swing bearing and all grease fittings B. Check oil level in wheel hubs C. Apply spray-dry graphite to the swing pinion and swing bearing gears D. Check oil level in winch drive E. Extend axles an apply spray-dry graphite or molylube
2	Gasoline Engine: A. Check engine oil level
3	Hydraulic and Boom System: A. Check hydraulic oil level on the sight gauge

Task # 2

Frequency – Annually (52 weeks)

Step	Description
1	Chassis and Drive Train: A. Change fluid in winch drive and power hubs
2	Gasoline Engine: A. Change engine oil and filter B. Replace engine antifreeze C. Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.
3	Hydraulic and Boom System: A. Drain hydraulic system and flush if fluid shows dirt or contamination B. Remove and replace hydraulic oil filter

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added B&C to Step-2 on Task #2**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-11
Special Purpose Mobile Equipment

Excavator

Task # 1
Frequency – Quarterly

Step	Description
1	Check engine oil
2	Check oil level in final drives
3	Check oil level in swing drive
4	Lubricate the swing bearing grease fittings located under the boom base
5	Check the hydraulic oil tank level
6	Apply multipurpose grease to all fittings

Task # 2
Frequency – Semi annually

Step	Description
1	Check radiator coolant level
2	Drain water and sediment from fuel tank
3	Lubricate the swing internal gear

Task # 3
Frequency – Annually

Step	Description
1	Change radiator coolant
2	Change engine oil and filter
3	Change the oil in the final drives
4	Change the oil in the swing drive
5	Drain hydraulic oil and run oil through the hydraulic oil filterization system to clean oil
6	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	12/00	Added Step-6 to Task #3
2	04/06	Removed “Caterpillar” from title

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-12
Special Purpose Mobile Equipment

Trashmaster Compactor

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Lubricate fittings on compactor (including center articulation joint, steering cylinders, blade lift cylinders and blade pivot points) with general purpose grease
2	Check transmission fluid condition and level
3	Check differential oil level
4	Drain crankcase oil, replace oil and filter and refill with SAE-15W40 diesel oil
5	Drain water and sediment from fuel-water filter
6	Check front and rear planetary wheel end oil level
7	Check hydraulic tank level
8	Check coolant cleanliness and specific gravity. Replace and flush if necessary
9	Perform Hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

Task # 2
Frequency – Annually (52 weeks)

Step	Description
1	Drain transmission, remove and replace filter. Check transmission fluid condition. Replace and flush if necessary.
2	Drain and flush hydraulic system, change hydraulic filter and refill

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added Step-9 to Task #1**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-13
Special Purpose Mobile Equipment

Utility Trailers

Task # 1

Frequency – Semi annually (26 weeks)

Step	Description
1	Lubricate the spring hanger bushings with grease
2	Lubricate landing gear with grease
3	Apply oil to parking brake hinge points and cables

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-14
Special Purpose Mobile Equipment

Caterpillar Tractor/Dozer

Task # 1

Frequency – Quarterly (13 weeks)

Step	Description
1	Check diesel engine crankcase oil level
2	Lubricate track roller frame inner bearings (2 fittings) with multipurpose grease with molybdenum
3	Lubricate track roller frame outer bearings (2 fittings) with multipurpose grease with molybdenum
4	Lubricate track cylinder support and upper trunnion bearings (8 fittings) with multipurpose grease with molybdenum
5	Check hydraulic control system oil level
6	Lubricate dozer blade tilt brace (2 fittings) with multipurpose grease with molybdenum
7	Lubricate dozer blade tilt ball and socket (2 fittings) with multipurpose grease with molybdenum
8	Lubricate sprocket hub bearings with multipurpose grease with molybdenum
9	Check final drives (each side) oil level
10	Check cable control gear case oil level
11	Check transmission, bevel gear and steering clutch compartment oil level

Task # 2

Frequency – Annually (52 weeks)

Step	Description
1	Check hydraulic control system filter elements
2	Drain diesel fuel tank moisture and sediment and wash cap
3	Check diesel engine valve lash; adjust if necessary
4	Drain, flush and refill cooling system
5	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added Steps-4&5 to Task #2**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-15
Special Purpose Mobile Equipment

Front End Loaders

Task # 1
Frequency – Monthly (4 weeks)

Step	Description
1	Lubricate fittings per mfg specification
2	Check hydraulic fluid level (with bucket on ground)
3	Check transmission fluid level
4	Lubricate loader control level linkage assembly
5	Check engine oil level

Task # 2
Frequency – Quarterly (13 weeks)

Step	Description
1	Change engine oil and filter
2	Change final drive lube levels
3	Check fluid level at front and rear differentials
4	Check radiator coolant

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Drain hydraulic system sump, install new steering filter and refill
2	Drain transmission, install new filter and refill
3	Drain front and real differentials and refill
4	Drain, flush and refill cooling system
5	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**12/00**	**Added Steps-4&5 to Task #3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-16
Special Purpose Mobile Equipment

Portable Generator

Task # 1
Frequency – Quarterly

Step	Description
1	Check crankcase oil level/ add SAE-30 engine oil diesel
2	Check radiator coolant level
3	Check generator bearing oil level; SAE-30 engine oil

Task # 2
Frequency – Semi annually

Step	Description
1	Check crankcase oil level and cleanliness

Task # 3
Frequency – Annually

Step	Description
1	Drain crankcase and replace oil filter. Refill crankcase with SAE-30 engine oil diesel.
2	Change generator bearing oil; SAE-30 engine oil.
3	Drain and refill cooling system (if applicable)
4	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.
5	Connect generator to load bank and operate under 80% rated load for minimum of 10 minutes.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	**Changed frequency from bi-weekly to quarterly**
2	**12/00**	**Added Steps 3&4 to Task#3**
3	**4/05**	**Added Step 5 to Task #3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-17
Special Purpose Mobile Equipment

Tractor

Task # 1

Frequency – Quarterly (13 weeks)

Step	Description
1	Check all fluid levels and replace as required
2	Change engine oil and filter
3	Check and replace air filter as necessary

Task # 2

Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings
3	Check all fluid levels and replace as required
4	Check and replace air filter as necessary

Task # 3

Frequency – Annually (52 weeks)

Step	Description
1	Change transmission oil and filter
2	Service cooling system
3	Change engine oil and filter
4	Service hydraulic system
5	Grease all fittings
6	Service steering system
7	Inspect and repair/replace safety devices such as lights, flashers, tires, etc.
8	Replace air filter
9	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added
2	**12/00**	**Added Step-9 to Task#3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-18
Special Purpose Mobile Equipment

Four Wheeler

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check all fluid levels and replace as required

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings
3	Check and replace air filter as required

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings
3	Check and replace air filter as required

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-19
Special Purpose Mobile Equipment

Mower, Toro Groundmaster 345

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check fluid levels and replace as required
2	Change engine oil and filter
3	Check and replace air filter as necessary

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings
3	Check fluid levels and replace as required
4	Check and replace air filter as necessary

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change engine oil and filter
2	Service cooling system
3	Grease all fittings
4	Service hydraulic system
5	Service steering system
6	Inspect and repair/replace safety devices such as lights, flashers, tires, etc.
7	Replace air filter
8	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added
2	**12/00**	**Added Step-8 to Task#3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-20
Special Purpose Mobile Equipment

Hydraulic Sweeper, MTD HT76280

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check all fluid levels and replace as required

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings
3	Check all fluid levels and replace as required

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission oil and filter
2	Service cooling system
3	Change engine oil and filter
4	Service hydraulic system
5	Grease all fittings
6	Service steering system
7	Inspect and repair/replace safety devices such as lights, flashers, tires, etc.
8	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added
2	**12/00**	**Added Step-8 to Task#3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-21
Special Purpose Mobile Equipment

Roto Hoe Tiller

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check all fluid levels and replace as required

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission oil and filter
2	Change engine antifreeze
3	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added
2	**12/00**	**Added Step-3 to Task#3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-22
Special Purpose Mobile Equipment

Sod Cutter KT013

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check all fluid levels and replace as required

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission oil and filter
2	Change engine antifreeze
3	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added
2	**12/00**	**Added Step-3 to Task#3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-23
Special Purpose Mobile Equipment

Refuse Truck

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check all fluid levels and replace as required

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission oil and filter
2	Change engine antifreeze
3	Check all doors, packing devices, and lifting arms
4	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added
2	**12/00**	**Added Step-4 to Task#3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-24
Special Purpose Mobile Equipment

Landscape Chipper TM40066

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check engine oil

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change transmission oil and filter
2	Change engine antifreeze
3	Service hydraulic system
4	Service cooling system
5	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added
2	**12/00**	**Added Step-5 to Task#3**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-25
Special Purpose Mobile Equipment

Flail Mower AGGK

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check all fluid levels and replenish as required

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change engine oil and filter
2	Apply grease to fittings

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-26
Special Purpose Mobile Equipment

Batwing Mower

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check gearbox oil

Task # 2
Frequency – Semi annually (26 weeks)

Step	Description
1	Change gearbox oil as necessary
2	Apply grease to fittings
3	Service hydraulic system

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Change gearbox oil and filter
2	Apply grease to fittings
3	Service hydraulic system

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**7/00**	New MTS added

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-27
Special Purpose Mobile Equipment

Street Sweeper

Task # 1
Frequency – Monthly

Truck chassis and engine

Step	Description
1	Check engine oil.

Auxiliary Engine

Step	Description
1	Check engine oil.
2	Clean radiator cooling fins and frontal area.

Sweeper Mechanism

Step	Description
1	Lubricate impeller & intake seals with petroleum jelly or equivalent.
2	Check impeller, impeller housing liner, and impeller housing bolts for wear.
3	Grease side broom turnbuckle with a **lithium-based** grease.
4	Grease side broom link bushing.
5	Check for tears or wear in all hoses and curtains.
6	Inspect water nozzles.
7	Adjust side broom disc angle as needed.

Task # 2
Frequency – Quarterly

Truck chassis and engine

Step	Description
1	Check all fluid levels and replace as required.
2	Check brakes and brake system.
3	Check all lights.
4	Check coolant system and perform hydrometer check.
5	Check air filter.
6	Check tires.

Auxiliary Engine

Step	Description
1	Check belts and hoses.
2	Check coolant system and perform hydrometer check.
3	Check all fluid levels and replace as required.
4	Check air filter.

Sweeper Mechanism

Step	Description
1	Check dirt shoe wear, replace when 80% worn.
2	Grease impeller shaft bushings with **lithium based** grease. **(Do not use power gun or over grease)**

Task # 3
Frequency – Semi-Annually

Truck chassis and engine

Step	Description
1	Change engine oil & filter.

Auxiliary Engine

Step	Description
1	Change engine oil & filter.

Task # 4
Frequency – Annually

Truck chassis and engine

Step	Description
1	Change transmission fluid & filter.
2	Check wheel bearings.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-28
SPECIAL PURPOSE MOBILE EQUIPMENT

John Deere Bull Dozer

Task # 1
Frequency – Quarterly (13 weeks)

Step	Description
1	Check engine oil
2	Check oil level in final drives
3	Check oil hydraulic oil level
4	Check transmission oil level
5	Check winch oil level
6	Drain final fuel filter sediment
7	Drain water separator sediment
8	Clean dust un-loader valve (bottom of air cleaner assembly)
9	Grease blade and ball socket (2 fittings) with molybdenum multipurpose grease
10	Grease blade linkages (9 fittings) with molybdenum multipurpose grease
11	Grease attachment points for elevator rams (parallel to tracks 4 fittings per side) with molybdenum multipurpose grease

Task # 2
Frequency – Semi Annually (26 weeks)

Step	Description
1	Change engine oil and filter (SAE 15W-40 approx. 15 qt)
2	Replace final fuel filter
3	Replace primary fuel filter
4	Check coolant level and condition in radiator
5	Check air intake hose for cracks and loose clamps
6	Check battery terminals and electrolyte level
7	Inspect serpentine belt

Task # 3
Frequency – Annually (52 weeks)

Step	Description
1	Clean crankcase ventilation tube
2	Change final drives oil (SAE 80W-90 approx 9 qt per side)
3	Clean or replace winch hydraulic breather filter
4	Replace Dust Un-loader valve
5	Change engine air filters
6	Clean or replace cabin air filter

Task # 4
Frequency – Two Years (104 weeks)

Step	Description
1	Change hydraulic oil and filter (SAE 15W-40 approx 8.5 gal)
2	Change Transmission oil and filter (SAE 15W-40 approx 11.3 gal)
3	Drain, flush, and refill cooling system
4	Change winch oil and filter (SAE 80W-90 approx 10 gal. 9 gal through fill port located on top of winch, and 1 gal through dipstick)

Task # 5
Frequency – Five Years (260 weeks)

Step	Description
1	Change Engine Vibration Damper

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-29
Special Purpose Mobile Equipment

John Deere Compact Track Loader

Task # 1
Frequency – Quarterly

Step	Description
1	Check engine oil
2	Check hydraulic tank oil level (check at sight glass)
3	Clean radiator and oil cooler
4	Check coolant level
5	Drain fuel and water separator filter
6	Lubricate boom linkage, cylinder pivots, and Quik-Tatch with multipurpose grease with molybdenum
7	Adjust track sag.

Task # 2
Frequency – Annually

Step	Description
1	Change engine oil and filter (13 qt - SAE 30)
2	Replace fuel and water separator filter
3	Replace in-line fuel filter
4	Replace primary air cleaner element
5	Replace hydraulic oil tank breather element
6	Replace hydraulic oil filter
7	Perform hydrometer check to ensure cooling system protection is minimum of 0°F. Adjust as required.

Task # 4
Frequency – Two Years

Step	Description
1	Change hydrostatic planetary oil (0.58 qt)
2	Replace secondary air cleaner element
3	Change hydraulic tank oil
4	Drain, flush, and refill cooling system

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # EQ-30
SPECIAL PURPOSE MOBILE EQUIPMENT

Caterpillar Wheeled Tractor-Scraper

Task # 1
Frequency – Quarterly (13 weeks)

Wheeled Tractor

Step	Description
1	Check engine crankcase oil level.
2	Check radiator coolant level.
3	Clean engine air precleaner.
4	Check engine air filter service indicator.
5	Clean engine air filter primary element.
6	Check engine air filter secondary element.
7	Check battery electrolyte level.
8	Check hydraulic system oil level.
9	Check transmission oil level.
10	Check differential and final drive oil level.
11	Drain air tank moisture and sediment.
12	Lubricate drive shaft universal joint.
13	Lubricate hitch.

Scraper

Step	Description
1	Drain fuel tank water and sediment.
2	Check wheel bearing oil level.
3	Lubricate elevator chain adjustment idler.
4	Lubricate elevator chain idler.
5	Lubricate elevator linkage.
6	Lubricate floor rollers.
7	Lubricate ejector guide rollers.
8	Lubricate elevator chain roller.
9	Lubricate elevator speed reducer.

Caterpillar Wheeled Tractor-Scraper
Task # 2
Frequency – Semi Annually (26 weeks)

Wheeled Tractor

Step	Description
1	Obtain engine oil sample.
2	Change diesel engine crankcase oil & filter.
3	Clean radiator & hydraulic oil cooler fins.
4	Clean hydraulic tank breaker relief valve.
5	Obtain hydraulic system oil sample.
6	Clean fuel tank cap & strainer.
7	Check fuel system primary filter.
8	Obtain transmission oil sample.
9	Check belts for cracks, missing pieces, frayed areas or wear.
10	Obtain differential & final drive oil sample.
11	Check differential & final drive oil level.
12	Check moisture indicator on in-line refrigerant dryer.

Scraper

Step	Description
1	Check wheel bearing oil level.
2	Check/adjust ejector carrier rollers.
3	Check/adjust ejector guide rollers.
4	Check/adjust ejector support rollers.
5	Check/adjust clearance between elevator flight & cutting edge.
6	Check cutting edges and end bits.
7	Check/adjust draft arm wear plates.
8	Check/adjust elevator chain.

Caterpillar Wheeled Tractor-Scraper

Task # 3

Frequency – Annually (52 weeks)

Wheeled Tractor

Step	Description
1	Replace engine air filter secondary element.
2	Replace fuel system secondary filter.
3	Check fuel injection timing.
4	Clean/replace transmission oil filter & magnetic screen.
5	Change transmission oil.
6	Clean differential & final drive breather.
7	Clean suction screen (torque converter scavenge).
8	Replace ether starting aid cylinder.
9	Replace air dryer desiccant.
10	Clean/replace cab air filter.

Task # 4

Frequency – Two Years (104 weeks)

Wheeled Tractor

Step	Description
1	Change cooling system coolant.
2	Add cooling system coolant additive.
3	Check crankshaft vibration damper.
4	Check engine valve lash.
5	Check engine valve rotators.
6	Change hydraulic system oil.
7	Replace hydraulic system oil filter.
8	Change differential and final drive oil.
9	Check in-line refrigerant dryer.
10	Check accumulator (axle suspension).
11	Change wheel bearing oil.

Scraper

Step	Description
1	Change elevator speed reducer oil.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-1

Centrifugal Chiller

Task #1

Frequency-Semi-Quarterly (45 days) – compressor speeds 5000 rpm & greater

Quarterly (13 weeks) – compressor speeds below 5000 rpm

Step	Description
1	Log chiller condition upon arrival to job site and prior to the start of any work.
2	Perform vibration analysis per vibration analysis specifications in **EXHIBIT II**, including evaluation of the data from the analysis, and compiling a report of the findings and recommendations.
3	Perform leak check for refrigerant.

Task #2

Frequency- Semi-Annually (26 weeks)

Step	Description
1	Pull oil sample and perform an oil analysis per specifications in attachment **EXHIBIT II**, including evaluation of the data and a report of the findings and recommendations.
2	Change oil and replace filters as required, based on oil analysis. Filters shall be replaced on frequency no greater than 36 months (Analysis quarterly report shall indicate the date of the last oil change). Only OEM specified oils shall be used (No substitutes shall be allowed).

Task #3
Frequency- Annually (52weeks)

Step	Description
1	Log chiller condition upon arrival to job site and prior to the start of any work.
2	Obtain refrigerant sample and perform a refrigerant analysis to check for acid and/or moisture. Verify compliance with ARI 700; change filter-dryers and/or refrigerant as required to bring refrigerant within ARI standard (Confirmed by analysis).
3	Functionally test, check, clean, tighten, and calibrate all safeties, interlocks, electrical connections/controls, gauges and meters associated with the chiller and chiller motor control center switch gear and starter.
4	Functionally test all motor electrical safety voltage and current devices, i.e., dash pot relays, single-phase protection devices, and voltage protection relays. Perform both load test and voltage test to devices to assure functionality and calibration. Perform thermography on motor controller and associated wiring connections (from line feed terminals to the equipment load).
5	Visually inspect compressor motor and oil pump motor terminals and connections. Meg test compressor and oil pump motor. Perform Motor Current Signature Analysis on compressor motor.
6	Check all refrigerant, oil, chilled water, and condenser water operating temperatures, pressures and flows associated with the chiller during normal operation and verify that all are within manufacturer's recommended parameters. Verify chilled water and condenser water flows are within manufacturer's design. Test the operation of all flow switches, high/low oil switch, high/low compressor discharge and suction refrigerant pressure switches, and operation of all pump auxiliary contacts.
7	Inspect and leak check/test for any refrigerant or oil leaks.
8	Check for proper superheat and subcooling, (refrigerant charge).
9	Verify and test for proper operation of gear case and oil sump heaters. Verify for proper control of temperature.
10	Verify proper operation of the vane control system. Check for free and smooth operation.
11	Start and stop chiller and verify for proper sequence of operation relative to transition of motor starters and post and pre lube oil pump motor operation. Verify operation of start/stop and anti-recycle timers.
12	Verify working condition of all indicator and alarm lights.
13	Functionally check for the proper operation of all chiller auxiliary equipment. Verify proper operation of chilled water pump, condenser water pump and cooling tower.
14	Functionally check operation of the condenser water tube brush cleaning system n(where applicable).
15	Functionally check operation of the condenser water cooling tower bypass valve.

16	Functionally test and calibrate the local refrigerant leak detection, refrigerant emergency exhaust fan and alarm system (where applicable).
17	Functionally test and verify for proper operation of the chiller purge system and replace refrigerant dryers (where applicable).
18	Functionally test and verify for proper operation of the chiller hot gas bypass system and associated controls (where applicable).
19	Check the equipment room, the chiller, the piping system and associated equipment for rust and corrosion. Clean, paint and repair damaged or corroded surfaces and insulation.
20	Remove trash, dust and debris from equipment cabinets, surfaces and equipment room.
21	Provide a complete inspection/analysis report relative to all work/task performed upon completion. Provide also a report of all discrepancies found as a result of all inspections and analysis along with corrective actions taken and/or recommended corrections or modifications.

Task #4
Frequency- 5 Years (260 weeks)

The following requirements shall be performed on each chiller every five (5) years (maximum allowed time span between analysis for a chiller). This work shall be scheduled such that the procedures will be performed on approximately the same number of chillers each fiscal year, and all chillers shall be covered over a five year period.

Step	Description
1	Clean and check chiller tubing banks: chilled water tubing and condenser water tubing (where applicable).
2	Perform eddie current tubing analysis.
3	Provide a complete inspection/analysis report relative to all work/task performed upon completion. Provide also a report of all discrepancies found as a result of all inspections and analysis along with recommended additional testing, corrections or modifications.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	2/01	Revised Task 1 to delete Steps 3 and 4. Added Task 2, Steps 1 and 2. Changed Task 2 to Task 3. Changed Task 3 to Task 4.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-2

Reciprocating Chiller

Frequency- Annual (52weeks)

Step	Description
1	Log chiller condition upon arrival to the job site and prior to start of any work. Inspect for vibrations, unusual noises, etc.
2	Pull oil sample and perform a complete oil analysis. Compile a report of the findings and evaluation of the data from the analysis (Shall meet requirements of **EXHIBIT II**).
3	Obtain refrigerant sample and perform a refrigerant analysis to check for acid and/or moisture.
4	Change oil and filter elements (oil and refrigerant), as determined by oil and refrigerant analysis.
5	Check all refrigerant, oil, chilled water, and condensing water operating temperatures, pressures and flows associated with the chiller during normal operation and verify that all are within manufacturer's recommended parameters. Verify chilled water and condenser water flows are within manufacturer's design. Test the operation of all flow switches, high/low oil switch, high/low compressor discharge and suction refrigerant pressure switches, and operation of all pump auxiliary contacts. Calibrate as needed.
6	Check all motor electrical connections, safety voltage and current devices, starters, etc. Perform thermography on motor controller and associated wiring and connections (from line feed terminals to the equipment load).
7	Meg test compressor motors.
8	Check motor shafts and alignment, as applicable.
9	Lubricate rotating and moving components, as applicable.
10	Switch the lead-lag compressor, as applicable.
11	Check for refrigerant and oil leaks.
12	Clean air cooled condenser coils (where applicable).
13	Check for proper refrigerant charge, superheat and subcooling.
14	Functionally check controls: chilled water temperature, hot gas bypass, low ambient controls, condenser water cooling tower bypass, pump interlocks, etc., as applicable.
15	Check the equipment room, the chiller and associated equipment for rust and corrosion. Clean, paint and repair damaged or corroded surfaces and insulation.
16	Remove trash, dust and debris from the equipment cabinets, surfaces and equipment room.
17	Check chilled water piping system and peripheral equipment for proper

	operation, for damage, leaks, rust and corrosion. Clean, paint and repair damaged or corroded equipment and components as applicable.

Task #2
Frequency- 5 Years (260 weeks)

The following requirements shall be performed on each chiller every five (5) years (maximum allowed time span between analysis for a chiller). This work shall be scheduled such that the procedures will be performed on approximately the same number of chillers each fiscal year, and all chillers shall be covered over a five year period.

Step	Description
1	Clean and check chiller tubing banks: chilled water tubing and condenser water tubing (where applicable).
2	Perform eddie current tubing analysis.
3	Provide a complete inspection/analysis report relative to all work/task performed upon completion. Provide also a report of all discrepancies found as a result of all inspections and analysis along with recommended additional testing, corrections or modifications.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-3

Cooling Tower – gear drive

Task #1
Frequency- Quarterly (13 weeks)

Step	Description
1	Perform Vibration Analysis (per **EXHIBIT III**). Initiate corrective actions as applicable.

Task #2
Frequency- Annual (52 weeks)

Step	Description
1	Check equipment and piping for leaks.
2	Clean towers including inside basins, packing, eliminators, structural components and tower exterior, removing scale, corrosion and debris.
3	Check tower (interior and exterior) and piping for rust, corrosion and leaks. Clean paint and repair surfaces, insulation and sealants.
4	Check bearings and rotating equipment: vibration, noise, overheating, etc.
5	Check fan assembly: Fan, screens, louvers, stack, etc.
6	Lubricate motors and other moving components (where applicable)
7	Check gear oil (where applicable). Replace as required (5 year maximum time span between gear oil change out).
8	Check sump heaters and electrical pipe trace heating (where applicable).
9	Check electrical connections. Perform thermography on motor starter panel.
10	Functionally verify proper operation of controls and instrumentation.
11	Check make-up water valve operation.
12	Remove trash and debris from cooling tower pad/area.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-4

Cooling Tower – belt driven fan

Task #1
Frequency- Quarterly (13 weeks)

Step	Description
1	Check belts: vibration, noise, alignment, wear, etc. Perform adjustments and replace belts as required. Perform vibration analysis (per **EXHIBIT III**).

Task #2
Frequency- Annual (52 weeks)

Step	Description
1	Check equipment and piping for leaks.
2	Clean towers including inside basins, packing, eliminators, structural components and tower exterior, removing scale, corrosion and debris.
3	Check tower (interior and exterior) and piping for rust, corrosion and leaks. Clean paint and repair surfaces, insulation and sealants.
4	Check bearings and rotating equipment: vibration, noise, overheating, etc.
5	Check fan assembly: Fan, screens, louvers, stack, etc.
6	Lubricate motors and other moving components (where applicable).
7	Check sump heaters and electrical pipe trace heating (where applicable).
8	Check electrical connections.
9	Functionally verify proper operation of controls and instrumentation.
10	Check make-up water valve operation.
11	Remove trash and debris from cooling tower pad/area.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-5

Gas Boiler/Heating Water

Task #1

Frequency- Annual (52 weeks)

Step	Description
1	Functionally test, check, clean, tighten, and calibrate all safeties, interlocks, electrical connections/controls, gauges, meters and fittings associated with the boiler.
2	Inspect water piping for leaks.
3	Lubricate motors and other moving components, as applicable.
4	Clean interior of boiler and remove loose scale, soot, slag or similar deposits.
5	Examine interior of boiler for corrosion or damage. Check refractory, insulation and expansion joints for cracking and damage. Repair as applicable.
6	Check tube ends for corrosion and leakage. If leaks are found, investigate re-rolling or re-beading before planning for replacement.
7	Check exterior surfaces of boiler for corrosion or damage. Clean, paint, refinish, re-insulate or otherwise repair surfaces, as applicable.
8	Check pressure relief valves.
9	Check gas piping and valves for leaks using soap solution.
10	Check breaching and stack for integrity and tightness.
11	Remove dust, trash and debris from boiler cabinets, surfaces and form the boiler room.
12	Check combustion ventilation to assure unobstructed.
13	Conduct combustion efficiency test and adjust burner for efficient safe operation. Combustion measurements required are %CO, %CO2, %O2, stack temperature, and boiler room temperature. Combustion shall be checked under all operating conditions (e.g., within a given mechanical room, combustion shall be tested with individual boiler operation and simultaneous operation).
14	Provide a complete inspection/analysis report relative to all work/task performed upon completion. Also provide a report of all discrepancies found as a result of all inspections and analysis along with recommended corrections or modifications.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**8/00**	Deleted monthly frequency

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-6

Electric Boiler/ Heating Water

Task #1

Frequency- Annual (52 weeks)

Step	Description
1	Functionally test, check, clean, tighten, and calibrate all safeties, interlocks, heating elements, electrical connections/controls, gauges, meters and fittings associated with the boiler.
2	Inspect water piping for leaks.
3	Lubricate motors and other moving components, as applicable.
4	Clean interior of boiler and remove loose scale and other deposits.
5	Examine interior of boiler for corrosion or damage. Repair as applicable.
6	Check exterior surfaces of boiler for corrosion or damage. Clean, paint, refinish, reinsulate or otherwise repair surfaces, as applicable.
7	Check pressure relief valves.
8	Remove dust, trash and debris from boiler cabinets, surfaces and form the boiler room.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-7

Condenser Water Chemical Treatment System

Task #1
Frequency- Bi-Weekly (2 weeks)

Step	Description
1	Inspect the chemical floater located in the cooling tower cold-water basin. Verify the chemical floater is secure and is in operational condition. Secure and/or replace floater as required.
2	Verify the chemical floater contains an adequate number of bromine pellets. Add chemical bromine pellets as required.
3	Check level of corrosion inhibitor and level of biocides in each chemical container. Have container filled and/or replace with new pails as required.

Task #2
Frequency- Quarterly (13 weeks)

Step	Description
1	Functionally check operation of the chemical injection sensors and controls. Verify proper calibration/operation of sensors, injector pumps, blow down valves, etc. Verify proper EMCS controls and field sensor readings.
2	Check chemical containers, suction and discharge lines for leaks and chemical product. Prime chemical lines, tighten fittings and replace deteriorated tubing and fittings as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	11/02	Added new Task 1 frequency Bi-Weekly, added Task 2 Quarterly cycle.

1a 2/03 Administrative change to correct error, Step 3 in Quarterly cycle moved to Step 3 in Bi-Weekly cycle.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-8

Pump

Task #1

Frequency- Quarterly (13 weeks)

Step	Description
1	Check pumps and components for excessive noise, vibration, overheating, etc.
2	Perform vibration analysis on pump and motor (shall meet requirements of **EXHIBIT II**).
3	Based on vibration analysis results, lubricate, realign, etc, as required.
4	Provide a complete analysis evaluation of the vibration testing, and enter into the signature database.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-9

Air Handling Unit

Task #1
Frequency- Quarterly

Step	Description
1	Check equipment for proper operation.
2	Replace throw-away filters or clean permanent filters.

Task #2
Frequency-Annual

Step	Description
1	Clean and flush cooling coils, condensate drain pans and drain lines.
2	Clean heating coils, dampers, screens, plenums, etc., as applicable.
3	Check electrical connections.
4	Check fans and motors for excessive noise, vibration, heat, etc.
5	Lubricate electrical motors, as applicable.
6	Functionally check controls.
7	Check belts, replace as required.
8	Check guards and covers.
9	Check piping and valves for leaks.
10	Check for rust and corrosion. Clean, paint and repair damaged or corroded surfaces and insulation.
11	Remove trash, dust and debris from equipment and equipment room.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	03/01	Changed Task 1 frequency from a Quarterly cycle to a Semi-Annual cycle.
2	05/01	Changed Task 1 frequency from a Semi-Annual cycle to a Quarterly cycle.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-10

Heating Ventilation Unit (HVU)

Task #1

Frequency-Annual (52 weeks)

Step	Description
1	Inspect heating coils, dampers, screens, plenums, etc., clean as required
2	Check electrical connections.
3	Check fans and motors for excessive noise, vibration, heat, etc.
4	Lubricate electrical motors, as applicable.
5	Functionally check controls.
6	Check belts, replace as required.
7	Check guards and covers.
8	Check piping and valves for leaks.
9	Check for rust and corrosion. Clean, paint and repair damaged or corroded surfaces and insulation.
10	Check equipment for proper operation.
11	Replace throw away filters or clean permanent filters.
12	Remove trash, dust and debris from equipment and equipment room.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**9/00**	Added semi-annual requirements to annual and deleted semi-annual frequency

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-11

Computer Room Unit (CRU)

Task #1
Frequency- Quarterly (13 weeks)

Step	Description
1	Check unit for proper operation.
2	Replace throw-away filters or clean permanent filters.

Task #2
Frequency- Semi-Annual (26 weeks)

Step	Description
1	Check fans, compressors and motors for excessive noise, vibration, heat, etc.
2	Check cooling coils, heating coil/elements and condensate pans and drain lines.
3	Check condenser unit (where applicable).
4	Clean and check humidifier (where applicable).
5	Check belts.
6	Check piping and valves for leaks.

Task #3
Frequency- Annual (52 weeks)

Step	Description
1	Clean and flush coils, condensate pans and drain lines.
2	Clean condenser coils, heating coils/elements, dampers, screens, plenums, etc., as applicable.
3	Clean and functionally check humidifier (where applicable).
4	Check electrical connections.
5	Lubricate electrical motors, as required.
6	Functionally check controls.
7	Check guards and covers.
8	Check refrigerant charge (where applicable).
9	Check for rust and corrosion. Clean, paint and repair damaged or corroded surfaces and insulation.
10	Remove trash, dust and debris from equipment and equipment room, as applicable.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-12

RTU, Packaged and Unitary Units (DX type units)

Task #1
Frequency- Quarterly (13 weeks)

Step	Description
1	Check equipment for proper operation.
2	Check for signs of refrigerant leakage or loss, as applicable.
3	Replace throw-away filters or clean permanent filters.

Task #1
Frequency- Annual (52 weeks)

Step	Description
1	Clean and flush coils, condensate pans and drain lines.
2	Clean condenser coils, heating coils/elements, dampers, screens, plenums, etc., as applicable.
3	Check electrical connections.
4	Check fans, compressors and motors for excessive noise, vibration, heat, etc.
5	Lubricate electrical motors, as required.
6	Functionally check controls.
7	Check belts, as applicable.
8	Check guards and covers.
9	Check piping and valves for leaks.
10	Check refrigerant charge.
11	Check for rust and corrosion. Clean, paint and repair damaged or corroded surfaces and insulation.
12	Remove trash, dust and debris from equipment and equipment room, as applicable.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-13

Gas Unit Heater

Task #1

Frequency- Annual (52 weeks)

Step	Description
1	Functionally check controls and operation of the unit.
2	Visually inspect the unit for corrosion or damage which could lead to improper combustion or fire hazards.
3	Clean, paint and repair damaged or corroded surfaces and insulation.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-14

Fan, Blower or Vent

Task #1

Frequency- Annual (52 weeks)

Step	Description
1	Functionally check operation of the unit.
2	Visually inspect the unit for corrosion or damage. Clean, paint and repair damaged or corroded surfaces and insulation.
3	Inspect belts (where applicable) and replace as required.
4	Replace throwaway filters or clean permanent filters (where applicable).

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**10/02**	Added Step 4

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #M-15

Air Compressor

Task #1

Frequency-Quarterly (13 weeks)

Step	Description
1	Check oil. Inspect for contamination and add or change oil if necessary.
2	Check for oil leaks.
3	Drain tank and check all filters/traps. Functionally check operation of automatic tank blowdown (where applicable).
4	Check belts and sheaves.
5	Lubricate motor and other rotating components, as applicable.
6	Check electrical connections, contacts and components.
7	Check suction filter.
8	Check high pressure relief valve.
9	Check high pressure shut-off switch.
10	Check unloader and check valve.
11	Check operation of refrigerant air dryer (where applicable).
12	Check operation of drain trap on air dryer (where applicable).
13	Inspect for rust and corrosion. Touch up paint and repair as required.
14	Remove any dust and debris.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-16

Kitchen Exhaust Hood

Task #1
Frequency- Annual (52 weeks)

Step	Description
1	Functionally check operation of the unit.
2	Visually inspect the unit for corrosion or damage. Clean, paint and repair damaged or corroded surfaces and insulation.
3	Inspect belts (where applicable) and replace as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**9/00**	Deleted Step 3. MTS M-18 (New) now contains this step

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-17

Walk-in Cooler (Refrigerator or Freezer)

Task #1

Frequency- Annual (52 weeks)

Step	Description
1	Functionally check operation of the unit.
2	Check refrigerant.
3	Check doors for proper sealing.
4	Verify proper entryway heating element operation (where applicable).
5	Clean condenser coils.
6	Inspect evaporator coils and clean as required.
7	Visually inspect the unit for corrosion or damage. Clean, paint and repair damaged or corroded surfaces and insulation.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # M-18
HVAC

KITCHEN EXHAUST HOOD
Task # 1
MONTHLY/QUARTERLY**

1	Clean hood and filters to remove grease and dust build-up to the bare metal.

Task # 2
SEMI-ANNUALLY

1	Clean entire exhaust system (hood, filters, ductwork, fan, and other appurtenances) to remove grease and dust build-up to the bare metal.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**9/00**	New MTS containing step 3 from MTS M-16
2	**3/04**	Revised Task #1 to MONTHLY/QUARTERLY.

****Specific frequency determined by amount of grease and/or dust build-up observed during maintenance.**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-1

Oil/Water Separator System – Bldg. 2105

Task #1
Quarterly

1	Grit Pit: A. Remove floating debris B. Check for accumulation of mud and grit. Remove as required.
2	Sump Pumps: A. Inspect piping and supports B. Inspect valves and actuators C. Inspect electrical connections and controls D. Inspect for obstructions in sump, screen, and piping E. Verify auto/manual operation F. Verify check valve operation
3	500 Gallon Storage Tank: A. Inspect tank for corrosion, damage, and leaks B. Check for sediment build-up in storage tank using sampling tube. Remove when 8 to 10-inch accumulation is present. Notify Environmental Specialist prior to removing/disposing of sediment.
4	Oil/Water Separator: A. Inspect tank shell and piping for corrosion, damage, and leaks B. Inspect hatch cover gasket on waste oil compartment C. Check for water accumulation in waste oil compartment. If present, pump water into sump by diesel storage tanks for flow back through separator. D. Check for oil in separation chamber E. Operate rotary pipe skimmer to skim off accumulated oil into waste oil compartment F. Check for sediment build-up in separation chamber using sampling tube. Remove when 5 to 6-inch accumulation is present. Notify Environmental Specialist prior to removing/disposing of sediment. G. Inspect coalescing tubes for damage and dirt build-up. Clean as required. Notify Environmental Specialist prior to removing/cleaning coalescing tubes. H. Inspect effluent weir plate for proper adjustment/elevation. If oil is present at effluent

	weir plate, transfer oil back into separation chamber. I. Check level of waste oil compartment using tank gauge stick. Remove when 35 to 38-inch oil accumulation level is present. Notify Environmental Specialist prior to removing/disposing of oil.

Task #2
Annually

1	Oil/Water Separator: A. Remove and clean (steam or pressure wash) separator coalescing tubes. Notify Environmental Specialist prior to removing/cleaning coalescing tubes. B. Remove sediment build-up in separation chamber. Notify Environmental Specialist prior to removing/disposing of sediment.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-2

Oil/Water Separator System – Bldg. 4400

Task #1
Quarterly

1	Inspect separator unit, storage tank, centrifugal pump, piping, and valves for corrosion, damage, and leaks
2	Inspect man-way cover gasket
3	Inspect electrical connections and controls
4	Verify auto/manual operation of centrifugal pump
5	Verify auto/manual operation of oil high-level alarm
6	Inspect and clean float switches (internal) as required
7	Check oil level of 3000-gallon waste oil storage tank using Veeder-Root system (EMCS or inside Bldg. 4400). Remove when 2000 to 2100-gallon level is present. Notify Environmental Specialist prior to removing/disposing of oil.
8	Check water level in separator containment area. Drain when 5 to 6-inch accumulation is present. Remove algae and sediment as required.

Task #2
Annually

1	Check for sediment build-up in separator tank using sampling tube. Remove when 10 to 11-inch accumulation is present. Notify Environmental Specialist prior to removing/disposing of sediment.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-3

Oil/Water Separator System – Bldg. 3305

Task #1
Quarterly

1	Inspect separator unit, storage tank, pumps, piping, and valves for corrosion, damage, and leaks
2	Inspect electrical connections and controls
3	Check surge pit for floating debris. Remove as required.
4	Clear gate valve by opening to full-open position. Reset flow rate for approximately 3 GPM (valve open 1-1/4 turns from full-close position).
5	Verify operation of pumps in Compartments “C” and “E” by lifting float switches.
6	Verify operation of pump in separator waste oil storage tank by activating “Water Return Switch” on control panel.
7	Switch ‘off’ surge pit pump.
8	Drain Compartment “C” by lifting pump float switch.
9	Switch ‘off’ separator unit at converter box.
10	Inspect skimmers and float switch extensions for grease and oil build-up. Clean as required.
11	Inspect pumps, screens, and piping for obstructions.
12	Fill separator with clean water (put water in through Compartment “C” and back fill). Do not use water from surge pit.
13	Switch ‘on’ separator unit at converter box.
14	Check water level in 265-gallon waste oil storage tank. Activate “Water Return Switch” on control panel to remove any water off bottom of tank.
15	Check level in 265-gallon waste oil storage tank with tank gauge stick. Remove when tank is near capacity (5 to 10 inches from top). Notify Environmental Specialist prior to removing/disposing of oil.
16	Verify operation of separator alarm system by lifting float switch in 265-gallon waste oil storage tank.
17	Switch ‘on’ surge pit pump.

Task #2
Annually

1	Check for sediment build-up in surge pit using sampling tube. Remove when 5 to 6-inch accumulation is present. Notify Environmental Specialist prior to removing/disposing of sediment.
2	Check for sediment build-up in 2000-gallon tank using sampling tube. Remove when 10 to 12-inch accumulation is present. Notify Environmental Specialist prior to removing/disposing of sediment.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-4

Engine Removal Platform – B1 and B2 Test Stands (Level 7)

Task #1

Semi-Annually

1	Notify stand engineer before maintenance begins.
2	If applicable, check manual platform locks for damage or excessive corrosion.
3	If applicable, check pneumatic platform locks for damage or excessive corrosion; grease as required.
4	Check air supply lines and components for leaks.
5	Check drive motor/reduction gear for loose lines and air leaks. Check oil level.
6	Check sheave assemblies and cable support rollers for damage or wear; grease as required.
7	Check cable and cable tension devices for damage or wear; grease as required.
8	Check platform wheels for freedom of rotation; grease as required.
9	Check tracks for damage or debris.
10	Check handrails, structural members, and hardware for damage or excessive corrosion.
11	Check cylinder-type buffers for proper compression. The cylinder rod should move slowly into the cylinder when force is applied and fully extend when force is removed.
12	Perform an operational check on platform after maintenance is complete. A. Check cable for proper tension during operation. B. Check cable rollers and sheave assemblies for freedom of rotation. C. Check wheels for ease of rolling and proper tracking. D. Operate platform through a complete cycle (run fully open and closed). E. Operate platform pneumatic locks through several cycles. F. Return platform to normal operational status.
13	Notify stand engineer after maintenance is complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-5

Engine Work Platform – B1 Test Stand (Level 8)
Mini-Platform – B1 Test Stand (Level 8)
Task #1
Semi-Annually

1	Notify stand engineer before maintenance begins.
2	If applicable, check manual platform locks for damage or excessive corrosion.
3	If applicable, check pneumatic platform locks for damage or excessive corrosion; grease as required.
4	Check air supply lines and components for leaks.
5	Check platform drive cylinder for loose lines and air leaks; grease as required.
6	Check platform wheels for freedom of rotation; grease as required.
7	Check tracks for damage or debris.
8	Check handrails, structural members, and hardware for damage or excessive corrosion.
9	Perform an operational check on platform after maintenance is complete. A. Check platform drive cylinder for proper operation. B. Check wheels for ease of rolling and proper tracking. C. Operate platform through a complete cycle (run fully open and closed). D. If applicable, operate platform pneumatic locks through several cycles. E. Return platform to normal operational status.
10	Notify stand engineer after maintenance is complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-6

Scissor Lift Platform – B1 Test Stand (Level 8)

Task #1
Semi-Annually

1	Notify stand engineer before maintenance begins.
2	Check structural members and hardware for damage or excessive corrosion.
3	Check oil level in air supply oiler.
4	Check air supply lines and components for leaks.
5	Check oil level in hydraulic oil tank.
6	Check air drive motor, coupling, and hydraulic pump for security and leaks.
7	Check for oil leaks; rework as required.
8	Clean up any traces of oil and empty oil from hydraulic waste container as required.
9	Lubricate fulcrum pins and pivot point grease fittings (10 each). Do not over lubricate; clean up excess grease.
10	Check all fasteners, pivot points, fulcrum pins, rolling surfaces, and rollers for wear.
11	Check hydraulic hoses for damage or wear.
12	Perform operational check on scissor lift after maintenance is complete. A. Operate scissor lift through full range of travel (up and down). B. Check for any unusual noise during operation. C. Verify scissor lift operates smoothly. D. Return scissor lift to operational status.
13	Notify stand engineer after maintenance is complete.

Task #2
Annually

1	Perform load test.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-7

Engine Removal Platform – A1 and A2 Test Stands (Level 4-1/2)
Engine Work Platform – A1 and A2 Test Stands (Level 5)
Task #1
Semi-Annually

1	Notify stand engineer before maintenance begins.
2	Check oil level in air supply oilers.
3	Check air supply lines and components for leaks.
4	Drain water from air filter canister using bottom drain cock.
5	Check drive motor/reduction gear for loose lines and air leaks. Check oil level.
6	Check chain(s); adjust/rework/grease as required.
7	Check chain sprockets for wear or missing teeth; grease as required.
8	Check pinion gear and rack for worn or missing teeth and proper meshing of teeth.
9	Check platform wheels for freedom of rotation; grease as required.
10	Check tracks for damage or debris.
11	Check handrails, structural members, and hardware for damage or excessive corrosion.
12	If applicable, check air hose reels for proper tension to re-reel hose from a fully extended position. There should be no slack on hose when completely retracted.
13	If applicable, check air hose for damage or wear.
14	Check pillow block bearings (6 each) on main shaft; grease as required.
15	Check couplings on drive motor and main shaft for wear and proper tightness.
16	Check spring-type buffers for broken or frozen springs; grease as required.
17	If applicable, check cylinder-type buffers for proper compression. The cylinder rod should move slowly into the cylinder when force is applied and fully extend when force is removed.
18	If applicable, check cam roller rail guides (4 each) for freedom of rotation; grease as required.
19	Perform an operational check on platform after maintenance is complete. A. Check air supply oilers for proper lubrication (about 3 drops/minute). B. Check chain for proper tension during operation. C. Check wheels for ease of rolling and proper tracking. D. Operate platform through a complete cycle (run fully open and closed). E. Operate platform pneumatic locks through several cycles. F. Return platform to normal operational status.
20	Notify stand engineer after maintenance is complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-8

Mini-Platform – A2 Test Stand (Level 4-1/2)
Task #1
Semi-Annually

1	Notify stand engineer before maintenance begins.
2	Check oil level in air supply oilers.
3	Check air supply lines and components for leaks.
4	Drain water from air filter canister using bottom drain cock.
5	Drain oil/fluid from muffler defogger using bottom drain cock. Do not drain oil/fluid onto decking; use appropriate container to catch oil/fluid.
6	Check drive motor/reduction gear for loose lines and air leaks. Check oil level.
7	Check chain; adjust/rework/grease as required.
8	Check chain sprockets for wear or missing teeth; grease as required.
9	Check pinion gear and rack for worn or missing teeth and proper meshing of teeth.
10	Check platform V-groove wheels for freedom of rotation; grease as required.
11	Check tracks for damage or debris.
12	Check handrails, structural members, and hardware for damage or excessive corrosion.
13	Check air hose and electrical cable reels for proper tension to re-reel hose from a fully extended position. There should be no slack on hose/cable when completely retracted.
14	Check air hose and electrical cable for damage or wear.
15	Clean up any traces of oil found on the mini-platform.
16	Perform an operational check on platform after maintenance is complete. A. Check air supply oilers for proper lubrication (about 3 drops/minute). B. Check chain for proper tension during operation. C. Check wheels for ease of rolling and proper tracking. D. Operate platform through a complete cycle (run fully north and south). E. Operate platform pneumatic locks through several cycles. F. Verify PS-6 Proximity Switch (indicates platform is fully extended) is operating and set properly. G. Verify PS-3 Proximity Switch (indicates platform is retracted to stored position) is operating and set properly. H. Return platform to normal operational status.
17	Verify each of the following switches is operating and set properly: A. PE-1 Photoelectric Switch Source and PED-1 Photoelectric Switch Detector (indicates diffuser below level that will impede travel of platform) B. PS-4 Proximity Switch (indicates east service platform centered over test stand) C. PS-5 Proximity Switch (indicates east service platform fully retracted to stored position)
18	Notify stand engineer after maintenance is complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-9

Scissor Lift Platform – A2 Test Stand (Level 4-1/2)

Task #1
Semi-Annually

1	Notify stand engineer before maintenance begins.
2	Check structural members and hardware for damage or excessive corrosion.
3	Check oil level in hydraulic oil tank.
4	Check for oil leaks; rework as required.
5	Clean up any traces of oil found on lift platform.
6	Check roller bushings, axle pin, clevis, and pivot pins for wear.
7	Check hydraulic hoses and electrical cords for damage or wear.
8	Check rollers for looseness and wear.
9	Check retaining rings at all axles, pivot points, and clevis.
10	Check fluorescent light fixture mounted under lift platform. Rework as required.
11	Check foam rubber padding around lift platform. Rework as required.
12	Perform operational check on scissor lift after maintenance is complete. A. Position scissor lift and mini-platform so there is no interference with level 5 platform (level 5 platform needs to be retracted) during operation. B. Operate scissor lift through full range of travel (up and down) using both the floor mounted operating foot pedals and the platform mounted foot pedals. C. Check for any unusual noise during operation. D. Verify scissor lift operates smoothly. E. Verify PS-2 Proximity Switch (indicates scissor lift is in fully down position) is operating and set properly. F. Verify PS-7 Wobble Stick Limit Switches (4 each) (indicates lift platform is within 2 inches of enclosed nozzle surface) are operating and set properly. G. Check operation of auxiliary lowering valves located on lift table and trolley. H. Return scissor lift to operational status.
13	Notify stand engineer after maintenance is complete.

Task #2
Annually

1	Perform load test.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-10

Scissor Lift Platform – A1 Test Stand (Level 4)

Task #1
Semi-Annually

1	Notify required personnel before maintenance begins.
2	Raise platform to full up position.
3	Place blocks between rollers & frame to ensure platform does not lower.
4	Shut off electrical power at disconnect switch. Lockout/tagout disconnect as required.
5	Check structural members & hardware for damage or excessive corrosion.
6	Check oil level in hydraulic oil tank; fill as required.
7	Check drive motor, coupling, & hydraulic pump for security & leaks.
8	Check for oil leaks; rework as required.
9	Clean up any traces of oil as required.
10	Lubricate fulcrum pins & pivot point grease fittings. Do not over lubricate; clean up excess grease.
11	Check all fasteners, pivot points, fulcrum pins, rolling surfaces, & rollers for wear.
12	Check hydraulic hoses for damage or wear.
13	Remove lock/tag from electrical disconnect & turn on electrical power to platform. Remove blocks between rollers & frame.
14	Perform operational check on scissor lift after maintenance is complete. A. Operate scissor lift through full range of travel (up & down). B. Check for any unusual noise during operation. C. Verify scissor lift operates smoothly. D. Return scissor lift to operational status.
15	Notify required personnel after maintenance is complete.

Task #2
Annually

1	Perform load test.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-11

Roll-Up Overhead Doors (Air-Operated)
A Test Stands (Level 5), B Test Stand (Level 8)
Task #1
Semi-Annually

1	Notify required personnel before maintenance begins.
2	Place door in closed position. Close air valve; lock & tag as necessary.
3	Inspect weather seals for damage or excessive wear.
4	Check all hardware for damage or excessive corrosion.
5	Inspect drive sprockets for proper alignment & shaft mounting; repair as required.
6	Inspect for loose bolts & security of chain & spring mounting; repair as required.
7	Check operation of emergency hand chain; repair as necessary.
8	Check gearbox oil level; fill as required.
9	Clean dirt & debris from drive chains; lubricate as required.
10	Check oil level of air system oilers; fill as required.
11	Drain & clean air system condensation line trap. Remove lock & tag; open air valve.
12	Perform operational check on door after maintenance is complete. A. Operate door through full range of travel (up & down). B. Check door limit switches for proper operation (if applicable). C. Check drive chains for vibration & looseness. D. Check door frame for proper tracking. E. Check clutch & brake for proper operation; adjust as necessary. F. Return door to operational status.
13	Notify required personnel after maintenance is complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-12

Roll-Up Overhead Doors (Electric-Operated)

Task #1

Semi-Annually

1	Notify required personnel before maintenance begins.
2	Place door in closed position. Lock & tag electrical disconnect as necessary.
3	Check all hardware for damage or excessive corrosion.
4	Inspect drive sprockets for proper alignment & shaft mounting; repair as required.
5	Inspect for loose bolts & security of chain & spring mounting; repair as required.
6	Check operation of emergency hand chain; repair as necessary.
7	Check gearbox oil level; fill as required.
8	Clean dirt & debris from drive chains; lubricate as required.
9	Inspect electrical cables, conduit, control boxes, & disconnect for security of mounting & damage; repair as required.
10	Inspect motor for proper mounting, proper alignment, & any damage; repair as required.
11	Perform operational check on door after maintenance is complete. A. Operate door through full range of travel (up & down). B. Check door limit switches for proper operation. C. Check safety edge limit switch for proper operation. D. Check drive chains for vibration & looseness. E. Check door frame for proper tracking. F. Check clutch & brake for proper operation; adjust as necessary. G. Return door to operational status.
12	Notify required personnel after maintenance is complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-13

Sliding Hangar Doors

Task #1
Semi-Annually

1	Notify required personnel before maintenance begins.
2	Check torque limiter for dirt, oil, moisture, and wear. Keep grease and dirt away from lining. Check for proper operation. If slippage is observed, adjust as required.
3	Check chain for excessive slack. Adjust as necessary so that chain sag does not exceed 1 inch.
4	Clean dirt and debris from drive chains; lubricate chain and roller as required.
5	Check gearbox oil level; fill as required.
6	Check interleaf cable system by inspecting inside and outside cable for sag and stretch. If cable sags more than 1 inch on slack side when door is operating, tighten cable at both ends (equal amount). If take ups are at end of travel, replace cables.
7	Inspect electrical cables, conduit, control boxes, and disconnect for security of mounting and damage; repair as required.
8	Perform operational check on door after maintenance is complete. A. Operate door through full range of travel (open and closed). B. Check pilot door interlock switch for proper operation. C. Check door limit switches for proper operation. D. Check safety edge limit switch for proper operation. E. Check chain for vibration and looseness. F. Check door for proper rolling and tracking. G. Return door to operational status.
9	Notify required personnel after maintenance is complete.

Task #2
Annually

1	Check all hardware for damage or excessive corrosion.
2	Check rollers in top guides for binding.
3	Clean dirt and debris from track area.
4	Inspect reel collector rings and brushes for wear, arcing, weak springs, loose connections, and other damage.
5	Check reel assembly for damage and security of mounting.
6	Check electrical cable guide rollers for binding. Apply drops of oil on roller pins.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-14

Structure Blast Doors

Task #1
Annually

1	Notify required personnel before maintenance begins.
2	Check all hardware for damage or excessive corrosion.
3	Visually check operation of locking device and door hinges.
4	With door in closed position, check to ensure proper gasket compression; adjust door as required.
5	Check gasket for soundness; replace as necessary.
6	Lubricate locking device and door hinges.
7	Notify required personnel after maintenance is complete.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-15

Oil/Water Separator System – Bldg. 2606
Task #1
Semi-Annually

1	Clean inlet area: A. Close inlet valve to stop the flow of influent to the separator. B. Remove separator cover. C. Remove water from separator through drain or hose.
2	Remove separated oil and sediment build-up from OWS. Notify Environmental Specialist prior to removing/disposing of oil.
3	Remove plate pack. Flush with pressure water hose and use vacuum to pickup sludge and water. It is only necessary to remove all sludge from between the plates and any very heavy oil coating.
4	Examine tank interior for damage and repair any damage to internal coating.
5	Restart separator: A. Ensure plate packs and polishing pack are in original position. B. Ensure that there are not obstructions in the water outlet piping. C. With the coalescer access cover off, fill the tank with clean water, establishing flow from the effluent opening. Check for leaks (internal or external); fix as required. D. Open inlet valve to allow the influent oil water mixture into the OWS tank. E. Replace the coalescer access cover and bolt down liquid tight.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-16

Pressure Sandblast Cabinet

Task #1

Monthly

1	Clean dust collector cartridge filters per manufacturer manual or by removing from cabinet and hand cleaning.
2	Check abrasive/sandblast material for contamination (paint or other particles) by opening the valve at the bottom of the pressure vessel and collecting a sample. Clean or replace material as required.
3	Visually check the abrasive/sandblast hose and all fittings, including the nozzle, for wear and replace as required. Replace the nozzle if the orifice diameter has increased from 0.25 to 0.375 inches or more.
4	Check the rubber gloves for wear and replace as required.
5	Check the operator view window for clarity and replace Mylar covers if vision is not clear.
6	Check the cabinet lighting for proper operation.

Task #2

Annually

1	Clean dust collector cartridge filters per manufacturer manual or by removing from cabinet and hand cleaning.
2	Check abrasive/sandblast material for contamination (paint or other particles) by opening the valve at the bottom of the pressure vessel and collecting a sample. Clean or replace material as required.
3	Replace the abrasive/sandblast hose and all fittings, including the nozzle.
4	Replace the rubber gloves.
5	Check the operator view window for clarity and replace Mylar covers if vision is not clear.
6	Check the cabinet lighting for proper operation. Replace fluorescent lamps and cover as required.
7	Replace the pressure pot relief valve.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-17

Vehicle Wash System
Task #1
Frequency – Quarterly

Step	Description
1	Check for proper operation of brush drive & arms.
2	Check for proper mounting of motors & bearings & check for leaks.
3	Check for proper condition of brush pads.
4	Check flexible electric & water lines for wear.
5	Lubricate bearings & swivel joints as required.
6	Check gear box oil & refill/replace as required.
7	Check detergent level & refill as required.
8	Operate wash system to check rinse arches & clean nozzles as required.
9	Operate wash system to check for proper brush movement by driving a vehicle through.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-18

Scissor Lift Table
Task #1
Frequency- Semi-Annual

1	Check structural members and hardware for damage or excessive corrosion.
2	Lubricate pivot points and rollers with oil. Do not over lubricate; clean up excess oil.
3	Check for hydraulic fluid leaks; repair as required.
4	Check all hydraulic fittings and hoses; repair as required.
5	Check oil level in hydraulic oil tank; fill as required.
6	Check hydraulic cylinders and rods; repair as required.
7	Perform operational check on scissor lift table after maintenance is complete. A. Operate scissor lift table through full range of travel (up and down). B. Check for any unusual noise during operation. C. Verify scissor lift table operates smoothly. D. Return scissor lift table to operational status.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-19

Hurco CNC Milling Machine BMC-50

Task #1
Frequency - Semi-Annual

Step	Description
1	Check air pressure to pneumatic system; adjust as required.
2	Check coolant tank(s) level; fill as required and check coolant return path to tanks.
3	Check that all shields and covers are in place and access doors operate properly.
4	Drain moisture from air lubricator and refill with Mobile DTE light oil or equivalent.
5	Refill Autolube System tank with Mobile Vactra #2 or equivalent.
6	Check condition of filters and screens on the control cabinet doors; when dirty, clean screens and replace filters.
7	Clean machine as necessary.
8	Check condition of tool holders and lubricate the ATC Geneva drive cam with Shell Alvania E.P. #2 or equivalent.
9	Clean air filters on heat exchanger and air conditioner. Check for signs of contamination or excessive particulate material.
10	Check that fasteners used to secure the limit switches and their “dogs” are tight.
11	Clean filter in the “Autolube System” tank and drain any impurities from tank.
12	Check condition of the counterbalance chains and lubricate both chains with Shell Alvania E.P. #2 or equivalent.
13	Drain moisture from the air lines and the ATC pneumatic cylinders.

Task #2
Frequency - Annual

Step	Description
1	Check ground impedance level (resistance to true earth).
2	Drain spindle oil cooler unit tank, flush tank then refill with Shell Alvania E.P. #2 or equivalent.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-20

Mazak Nexus Quick Turn Center 250

Task #1

Frequency - Semi-Annual

Step	Description
1	Grease the headstock chuck unit.
2	Check headstock coolant collector and remove any chips.
3	Grease the tailstock linear guide block.
4	Check the lubrication unit oil levels; refill as required.
5	Check hydraulic unit pressure.
6	Check the hydraulic unit oil levels; refill/replace with Mobil DTE oil or equivalent as required.
7	Clean the hydraulic unit strainers.
8	Check for hydraulic unit oil leakage and damaged piping.
9	Check the headstock cooling unit coolant levels and cleanliness; refill/replace as required.
10	Clean the headstock cooling unit radiator.
11	Check the coolant unit coolant levels and cleanliness; refill/replace as required.
12	Check the coolant unit filters; replace as required.
13	Check the air unit element; replace as required.
14	Check the air unit air pressure.
15	Check the electrical components for dirt and discoloration and for loose terminal screws.
16	Check the slideway wipers for abnormalities or damage.

Task #2

Frequency - Annual

Step	Description
1	Check and adjust the bed level as required.
2	Check for a grounding resistance of 100 ohms or less.

Task #3

Frequency – 2 Year

Step	Description
1	Replace batteries in Programmable Logic Controllers.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**11/09**	Added Task #3

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-21

Mazak Nexus Vertical Milling Center 510C

Task #1

Frequency - Semi-Annual

Step	Description
1	Clean the plate filters in the coolant tank.
2	Clean the filter of the spindle cooling unit.
3	Check the spindle cooling fluid level. Refill/replace as required with Velcite Oil No. 3 (Mobil) or equivalent.
4	Check the spindle lubricating oil level. Refill/replace as required with DTE24 (Mobil) or equivalent.
5	Check the coolant level. Refill/replace as required.
6	Check the grease pump's grease level with Mobolux EP1 (Mobil) or equivalent.
7	Check the air pressure is approximately 70 psi.
8	Check the machine for oil leaks.
9	Clean the spindle taper hole.
10	Tighten the retention bolt.
11	Check the emergency stop buttons for correct operation.
12	Check the indicator lamps on the operation panels.
13	Check the safety devices for correct operation.
14	Check the air unit drain function.
15	Check the wipers at the axis slideway cover for damage.
16	Check hoses on moving units for damage.

Task #2

Frequency - Annual

Step	Description
1	Change hydraulic oil of ATC unit with Vactra No. 2 (Mobil) or equivalent.
2	Change spindle cooling fluid with Velcite Oil No. 3 (Mobil) or equivalent and cleaning the suction filters.
3	Clean the coolant tank and changing coolant.
4	Clean the spindle lubricating unit filter.

Task #3

Frequency – 2 Year

Step	Description
1	Replace batteries in Programmable Logic Controllers.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**11/09**	Added Task #3

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-22

Oil/Water Separator System – Bldg. 3219

Task #1
Frequency - Quarterly

Step	Description
1	Inspect separator unit, surge pit, pumps, piping, and valves for corrosion, damage, and leaks.
2	Inspect electrical connections and controls.
3	Check surge pit for floating debris. Remove as required.
4	Check oil compartment for separated oil and sediment build-up and remove by opening the oil valve located on the upper rear of the unit. Notify Environmental Specialist prior to removing/disposing of oil and sediment.

Task #2
Frequency - Annually

Step	Description
1	Switch 'off' surge pit pump.
2	Open the drain valves located on the bottom rear of the unit that drains back to the surge pit.
3	Rinse the separator compartments with water hose.
4	Close the drain valves and refill unit with clean water
5	Check for sediment build-up in surge pit using sampling tube. Remove when 8 to 10-inch accumulation is present. Notify Environmental Specialist prior to removing/disposing of sediment.
6	Switch 'on' surge pit pump.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-23

Mazak Nexus Quick Turn Center 400-II
Task #1
Frequency - Quarterly

Step	Description
1	Check headstock chuck unit and periphery for chips.
2	Check headstock for secure mounting of the top jaws.
3	Check headstock smooth chucking/un-chucking.
4	Grease headstock chuck unit as required with Klueberpaste ME 31-52 or equal.
5	Clean headstock draining holes underneath spindle front- end cover.
6	Remove any chips from the coolant collector.
7	Check tailstock spindle to scan for chips.
8	Check tailstock body and spindle for smooth movement.
9	Remove chips from sheet metal sections of tailstock body.
10	Check mounting of the cutting tools and the holder.
11	Check turret and cutting tools for chips.
12	Clean Tooleye sensor section and remove any chips.
13	Check Tooleye for sounds of reaction during sensor contact.
14	Check grease lubrication unit oil levels; refill as required with Mobilux EP1 or equal.
15	Check oil lubrication unit oil levels; refill as required with Mobil Vactra Oil No. 2 or equal.
16	Check hydraulic unit for appropriate pressure of 853.8 psi.
17	Check hydraulic unit oil levels; refill as required with Mobil DTE 24 or equal.
18	Check headstock cooling fan filters; clean/replace as required.
19	Check coolant levels and cleanliness; refill/replace as required.
20	Check coolant filters; replace as required.
21	Check coolant; replace as required.
22	Check air unit air pressure; adjust as required.
23	Check electrical components for dirt, discoloration and loose terminal screws.
24	Check electrical control cabinet filters; clean/replace as required.
25	Check front door safety glass for abnormalities and damage.

Task #2
Frequency – Semi-Annual

Step	Description
1	Grease tailstock linear guide blocks with Mobilux EP1 or equal.
2	Clean hydraulic unit strainers.
3	Replace hydraulic unit hydraulic oil as required with Mobil DTE 24 or equal.
4	Check hydraulic unit for oil leakage; repair as required.
5	Check air unit element; replace as required.
6	Check electrical control cabinet door is fully closed.
7	Check for loose connector/terminals between units.
8	Check slideway wipers for abnormalities such as damage.

Task #3
Frequency – Annual

Step	Description
1	Check grease lubrication unit for oil leakage and damaged piping; repair as required.
2	Clean oil lubrication unit oil supply filter.
3	Check oil lubrication unit for oil leakage; repair as required.
4	Check foundation bed level using a level and adjust as required.
5	Check for a grounding resistance of 10 ohms or less.

Task #4
Frequency – 2 Year

Step	Description
1	Replace batteries in Programmable Logic Controllers.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # ME-24

Propellant Truck Scales
Task #1
Monthly

1	Check operation of sump pump. • Clean intake screen (bottom of pump). • Clean grass, dirt, or trash from discharge outlet (outside and to rear of building).

Task #2
Semi Annually

1	Clean parts, substructure, and foundation pit. Remove any extraneous material from the foundation pit to eliminate 1possible contact with the lever. . If scale becomes clogged with ice or dirt, more frequent cleaning may be necessary. Remove any ice by application of heat - DO NOT apply salt or other chemicals.
2	Check operation of sump pump. • Clean intake screen (bottom of pump). • Clean grass, dirt, or trash from discharge outlet (outside and to rear of building).
3	Calibration of Load Cells, two each.

Task #3

Annually

1	Clean parts, substructure, and foundation pit. Remove any extraneous material from the foundation pit to eliminate possible contact with the lever. If scale becomes clogged with ice or dirt, more frequent cleaning may be necessary. Remove any ice by application of heat - DO NOT apply salt or other chemicals.
2	Check operation of sump pump. • Clean intake screen (bottom of pump). • Clean grass, dirt, or trash from discharge outlet (outside and to rear of building).
3	Replace burned-out bulbs in scale foundation pit.
4	Clean rust and corrosion from all metal parts, except pivots and bearings, and repaint as required.
5	Oil all fastening bolts and nuts of scale in pit with SAE-10 hydraulic oil.
6	Oil all moving parts in the Printomatic Weigher with a drop of SAE-10 hydraulic oil. Do not oil any part of the dial. Do not place any oil on the selector fingers as this will cause sticking and poor condition.
7	Repack all pivots and bearings in the scale level system with multipurpose grease.
8	Calibration of Load Cells, two each.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-1

Marine Operations System

Task #1

Frequency- Annual (52 weeks)

Docks:
Construction dock (1)
B-3202 to B-3200 dock including marine ops building (1)
"Lox and hydrogen docks @ A-1, A-2 & B-Test Stands" (7) LOX (7) Hydrogen
ASRM dock (1)
Lox storage dock on D-road (4)
Hydrogen storage dock on D-road (2)

Step	Description
1	"Inspect fender piling for rot, damage and stability"
2	Inspect piling metal caps for mounting security and damage
3	Inspect toe railings (typ. 12 x 12 inch wood) along dock edge "for damage, rot and deterioration"
4	Inspect buffer railings (typ. 12 x 12 inch wood) between fender piling and dock for deterioration
5	Inspect mooring bollards for general condition and mounting security
6	"Inspect sheet piling for corrosion, deformation and damage"
7	Inspect ladders for damage and security of mounting
8	"Inspect gravel fill and/or concrete cap for smoothness, erosion or subsidence"
9	Inspect countersunk bolts and fasteners for corrosion and make certain they are countersunk below the surface of the timbers
10	"Inspect mooring cavils, cleats, bollards and posts for corrosion, security, "and for loose grout and fasteners for corrosion
11	"Inspect tug boat electrically operated ramp for cable fraying (replace if frayed), operate ramp through" full travel to assure correct operation. Lubricate fittings and Inspect hold-down bolts for looseness and security.

Canal

Step	Description
1	"Inspect dolphins for rot, damage and stability"
2	Sound canal & river system channel to identify shoaling (from SSC to Michoud)
3	"Inspect for bank erosion, animal habitats and vegetation overgrowth for other potential " causes of deterioration of the canal bank
4	"Inspect spillway for integrity, erosion, vegetation overgrowth, and animal habitats "
5	"Keep water surface free from floating vegetation, trash and water hyacinths"
6	Keep drains into canal free from vegetation and sediment
7	Remove small trees and other vegetation from A-1 Test Stand flume
8	Maintain secondary roads around canal (graded and free from pot holes)

Roller Mooring Devices (all docks)

Step	Description
1	Clean and Paint corroded areas
2	Removed old hardened grease from roller tracks and grease wheel bearings and other lubrication points
3	Inspect counterweight cable and attachments for fraying and replace if necessary
4	"Inspect counterweights, counterweight tubes, fasteners, pulleys"
5	Inspect yokes and pintle ring for cracks and corrosion
6	Inspect mounting bolts for corrosion and wasting.
7	Deburr tracks (if required) and apply grease
8	Operate assembly for free operation and test for binding
9	Verify that device can be moved over its full range with less than 40 pounds of force applied to the pintle ring (verify upward and downward force). Adjust counterweight if excessive force is required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	6/00	Added quantities
2	10/01	Remove Step 4 under Rolling Mooring Devices

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-2
Marine Operations System

CANAL PUMPING STATION (B-2311) (Ref. MI #MM-1600)

Task #1
Frequency:Quarterly

Step	Description
1	Operate all valves to assure freedom of motion
2	"Lubricate and or adjust packing glands on pumps, motors and valves"
3	"Inspect condition of pump shafts, couplings, lubricators and piping flange gaskets"
4	Inspect inlet and outlet screens and remove accumulated debris
5	"Inspect ventilation screens, ducts and motors and clean if required"
6	"Inspect for visible corrosion on piping, hand rails, grating, and spot paint if required"
7	"Remove vegetation overgrowth from sidewalks, piping control station, and building perimeter"
8	Adjust pump packing glands for correct leakage rate. If seals are of the mechanical type replace if leakage rate exceeds the maximum.
9	This step deleted. PM on electrical equipment will be performed using appropriate MTS - i.e. MCC using MTS E-13.
10	This step deleted. PM on electrical equipment will be performed using appropriate MTS - i.e. MCC using MTS E-13.
11	Inspect pump motors for vibration and for unusual noises during operation. Perform vibration analysis on pump and motor (shall meet requirements of **EXHIBIT II**). Based on vibration analysis results, lubricate, realign, etc., as required. Provide a complete analysis evaluation of the vibration testing, and enter into the signature database.
12	Assure hold down bolts of motors and pumps and other fasteners are tight and structurally sound
13	Inspect for general cleanliness of area and clean if required
14	Inspect lighting and report items for repair on work order.

Task #2
Frequency: Annual

Step	Description
1	Inspect all motor and pump assemblies for excessive load
2	Inspect all electrical and mechanical safety shutdown devices including switchgear
3	Estimate canal fill rate by comparing fill time to area of canal surface. Use this estimate to determine whether flow rate of pumps approaches design pump curves. Note any deterioration over time and use this metric and vibration data to determine when the pump units require removal for corrective maintenance.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	**(QUARTERLY)** Step-8: Added missing text "… of the mechanical type replace if leakage rate exceeds the maximum." Step-9: Deleted- work to be performed on different MTS. Step-10: Deleted- work to be performed on different MTS. Step-11: Added steps 2, 3, and 4 from MTS M-8. Step 14: Changed "…as per item number 5.3.6.1" to "…on work order."

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-3
Marine Operations System

Lock

Task #1
Frequency: Quarterly

Step	Description
1	Operate upper and lower gates and lubricate bearings while gates are in motion. Verify that all gates operate without binding in bushings.
2	"Inspect safety railings, ladders and other carbon steel members for corrosion, integrity," and wasting.
3	Inspect hydraulic rams and other assemblies for excessive leakage and clean pits of debris and of oil and grease accumulation
4	Inspect condition of rip-rap and report any soil erosion
5	Remove any floating vegetation and trash from lock area water surface
6	Verify proper operation of floating bitts.
7	"Inspect structure for corrosion, leakage, rotting or damaged timbers, wasted fasteners," or other visible deterioration. Report condition.
8	Operate tainer valves and report if valves are leaking excessively. Lubricate pivot points, bearing, and bushings.
9	"Inspect lower gallery levels, sump pumps, electrical lines and lighting, "structural members, valves and piping for deterioration and proper operation."
10	Inspect lighting and report items for repair on work order.

Task # 2
Frequency: Annual

Step	Description
1	Perform annual monolith inspection and report findings
2	Inspect gate seals for leakage
3	"Inspect lock gate bearings (non intrusive inspection), and bushings"
4	Inspect structure for leaks or abnormal deterioration
5	Operate lock controls and perform minor adjustments as required. Report any abnormal operation
6	"Inspect upper and lower lock control buildings, controls and structure"
7	Operate tainer valves and inspect for abnormal operation and leakage
8	Clean and inspect hydraulic rams and replace cylinder seals if required
9	This step deleted. PM on cathodic protection system will be performed using

	MTS E-18.
10	Remove vegetation overgrowth on sidewalks and other areas
11	Remove overgrowth from drainage ditches
12	Inspect marine safety devices and replace if defective

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	(QUARTERLY) Step 6: Revised to read "Verify proper operation of floating bitts." Step 8: Added "Lubricate pivot points, bearing and bushings." Step 10: Changed "…as per item number 5.3.6.1 "to "…on work order." (ANNUAL) Step 9: Deleted- work to be performed on different MTS (E-18).

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-4
Marine Operations System

Lock Control Building - B-2310

Task #1
Frequency: Weekly

Step	Description
1	"Inspect hydraulic pumps, motors and associated piping and correct any minor oil leaks. Clean up spills."
2	Inspect lighting and report for repair on work order.

Task #2
Frequency: Quarterly

Step	Description
1	Inspect oil for moisture and replace filters if necessary
2	Lubricate motor bearings or check and top up oil levels
3	Clean corrosion from operating mechanisms
4	This step deleted. PM on electrical switchgear will be performed using MTS E-12 and E-13.
5	Inspect cleanliness of building and clean if required.
6	Inspect for improperly stowed items and restow if required.
7	Inspect building interior and exterior for deterioration and corrosion and perform spot painting if required.
8	"Inspect doors, latches, hinges, windows and other openings for proper operation and repair if required."
9	This step deleted. Operational check performed as part of MTS MO-3.

Task #3
Frequency: Annually

Step	Description
1	This step deleted. Perform annual facility inspection and report discrepancies found on DR 5-FA03.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	(WEEKLY) Step 2: Changed- "…as per item number 5.3.6.1" to "…on work order." (QUARTERLY) Step 4: Deleted- work to be performed on different MTS (E-12 & E-13). Step 9: Deleted- work to be performed on different MTS (MO-3). (ANNUAL) Step 1: Work will be scheduled as a separate task.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-5

Marine Operations System

This task sheet is being deleted

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-6

Marine Operations System

This task sheet is being deleted

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-7
Marine Operations System

"OTHER DOCKS AND PIERS (CONSTRUCTION DOCK, D-ROAD DOCK, RP-1 DOCK, PIER AT MARINE OPS BUILDING)"

Frequency: Weekly

There are no requirements for weekly PM of these docks and piers

Task #1
Frequency: Quarterly

Step	Description
1	"Inspect fenders, timbers, pilings visually (without underwater inspection)"
2	Inspect mooring devices for integrity.
3	Inspect structure for integrity and loose fasteners.
4	Inspect lighting and report findings for repair on work order.
5	Inspect structure for corrosion and spot paint if required
6	"Check safety chains, railings, steps and repair as required to assure personnel safety"
7	Clean trash from dock pit area.
8	"Inspect electrical wiring, conduit and connections for corrosion or damage and repair as required."

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	(QUARTERLY) Step 4: Changed "…as per item number 5.3.6.1" to "…on work order."
2	**10/00**	(ANNUAL) Delete per NASA – Rich Harris

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-8
Marine Operations System

Bascule Bridge

Task #1
Frequency: Biweekly

Step	Description
1	Perform complete functional check of bascule bridge operation.

Task #2
Frequency: Quarterly

Step	Description
1	Dust and wipe off top of control desk and vacuum inside.
2	Run diagnostic check on programmable logic controller.
3	Verify automatic and manual operation.
4	Check emergency stop when lowering bridge.
5	Check amp readings while operating bridge. Record on Work Order.
6	Check water level over sump pump motors. Verify operation of sump pumps.
7	Check sump and pump inlet for debris. Clean as necessary.
8	Check sump pumps for excessive noise and/or vibration or evidence of overheating.
9	Check searchlight for proper operation. Searchlight must operate 360º horizontally and 45º vertically and have tight seals on light.
10	Lubricate searchlight operating handle and brake release grip as required with SAE 30 oil.
11	Check red warning lights. End light burns steady; the other two flash alternately (Roadway Gates).
12	Check operation of roadway traffic lights. Verify lights flash and have no burned out bulbs, no moisture in them or defects of any type. Check strobes in SE/NW lights for proper operation.
13	Check operation of warning bells.
14	Check lights in machinery rooms on North and South spans, sump pump locations, and North and South walls. Report needed repairs on Work Order.
15	Check operation of approach warning lights.
16	Check navigation lights and lamp changers for proper operation; relamp as required.
17	Check air conditioning unit in span motor control cabinet for proper operation (VFD cabinets) and clean filters as required.
18	Test signal horn for proper operation and add grease to grease cups as required.

	Inspect wiring, fasteners and air system.
19	Check panel mate for general faults; clear as required.
20	Check span locking bars for proper operation; lubricate as required.

Task #3
Frequency: Semiannually

Step	Description
1	Verify span motor heaters are not overheating or defective
2	Clean vents and internals of span drive motors
3	Tighten all nuts and bolts securely. Note loose grout or fastener deterioration.
4	Check span motor brakes space heater for proper operation
5	Clean off motor exteriors
6	Check all motor brake nuts and bolts for tightness.
7	Check motor brake hand release operation
8	Clean dirt and deposits from the motor brake mechanism
9	Maintain span motor brake oil level.
10	Check machinery brake space heater for proper operation
11	Check all machinery brake bolts and nuts for security.
12	Re-install span motor brake cover.
13	Check machinery brake hand release operation
14	Clean out dirt and deposits from the machinery brake mechanism
15	Check and maintain oil (SAE-10 wt hydraulic) level at machinery brake.
16	Check electric to control limit switch flex line for damage

Task #4
Frequency: Annually

Step	Description
1	Remove dirt from cabinet internals and exterior areas.
2	Inspect span drive motors alignment, coupling wear and for abnormal noise during operation.
3	Inspect gear box of roadway gates and lubricate with multipurpose grease.
4	Inspect condition of electrical contacts in roadway gates and replace if necessary
5	Inspect span limit switches and adjust if necessary.
6	Verify operation of control room AC unit and heater. Clean/replace filters.
7	Inspect lighting panels for moisture, proper switch operation and verify panel directory labeling.
8	Record Ohm readings on following: Qty 4 -- machinery brakes, NE Pier, NW Pier, SE Pier and SW Pier Qty 4 -- span motors, NE Pier, NW Pier, SE Pier and SW Pier Qty 4 -- span motor brakes, NE Pier, NW Pier, SE Pier and SW Pier

	Qty 4 -- draw bar motors, NE Pier, NW Pier, SE Pier and SW Pier Qty 4 -- pumps, NE, NW, SE, and SW (Counter balance pit)
9	Inspect and record condition of structure paint condition throughout.
10	Grease shaft couplings, speed reducers, floating bearings, fixed bearings, trunnion bearings, bascule bridge main gears, rack cover anchor bearings, and upper track wheels.
11	Check span buffers; add oil as required (SAE-10 hydraulic oil).
12	Lubricate all open gears with open gear lubricant.
13	Check motor brake pads on all motor brakes.
14	Check proximity switch mounting brackets for distortion; replace as required.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	**(SEMI-ANNUAL)** **Step 21: Changed "…as per item number 5.3.6.1" to "…on work order."** **(ANNUAL)** **Step 18: Deleted – work to be performed on a different MTS.** **Step 19: Same as Step 18.** **Step 20: Same as Step 18.** **Step 21: Same as Step 18.** **Step 22: Changed "…as per item 5.3.6.1" to "…on work order."**
2	**10/01**	**Added biweekly task. Revised task numbers as necessary.** **(QUARTERLY)** **Deleted Steps 2, 10, 11, 12, and 15. Revised step numbers as necessary.** **Revised Steps 7, 9, and 13.** **Added new Steps 15-20.** **(SEMIANNUALLY)** **Deleted redundant steps already listed under Task 2, Steps 17-23.** **Revised oil type in Step 15.** **(ANNUALLY)** **Deleted redundant steps already listed under Tasks 2-3, Steps 1 and 27.** **Deleted Steps 7-15, 17-21, and 24. Revised step numbers as necessary.** **Revised Step 8 to record Ohm readings for span motor brakes.** **Added new Steps 10-14.**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #MO-9
Marine Operations System

Government Essential Equipment

Tugboat Clermont II
Task # 1
Frequency: Weekly

Step	Description
1	"Inspect boat for signs of leakage of oil or water from hoses, stern tubes, fittings, valves" "tanks, hoses, piping and structure. "
2	Check all electronic equipment for proper operation
3	"Verify that all equipment operates in accordance with design limits. This includes but is not limited to: engines," "generators, HVAC system, steering system, starting air system, lighting and navigation aids," "winches, davits, instrumentation, fuel system, packing glands, valves and piping, watertight doors" "and windows, safety equipment, lubrication systems, thru hull fittings and valves, kitchen" "appliances, hydraulic oil systems, pumps and blowers, mooring lines, search light, markings and warning instructions," "personnel elevator, potable water system, and mooring system, shore power, ramp and dingy."
4	"Inspect for cleanliness, oil spillages, cleanliness of bilges, and proper stowing of material."
5	Inspect interior and exterior surfaces for signs of corrosion and deterioration. Spot paint exterior as required to eliminate corrosion areas.
6	"Maintain operating levels of oils, water and fuel as required.

Task #2
Frequency: Quarterly

Step	Description
1	Inspect all equipment for tightness of nuts and foundation bolts and tighten as necessary.
2	Replace oil as necessary.
3	"Lubricate gears on winches, bearings and check for cable fraying and corrosion"
4	Inspect condition of all hoses and replace if worn

5	"Inspect air compressor belts, air control lines, breather, tanks and change oil as required."
6	"Check shore power transfer panel for correct voltage, amps and grounding. Check for corrosion" and for secure connections. Repair as necessary.
7	"Perform megger check on all motors including: winch, fresh water pump, hydraulic pump," "air compressors, bilge pump elevator"
8	Maintain cleanliness of electrical cabinet internals and corrosion free.
9	Maintain all pumps seals free from leakage above manufacturer's standard
10	"Clean filters, AC filters, appliance screens and vents, Engine inlet filters, generator filters," "and replace as necessary oil, gas and hydraulic oil filters."
11	Perform maintenance painting on external surfaces to prevent the appearance of corrosion
12	Perform a thorough cleaning of internal compartments and clean and wax flooring
13	Inspect non-skid flooring and reapply non-skid coating as required by safety.
14	"Inspect and replace as necessary, safety equipment, throwing rings, etc."
15	Inspect transmission oil and replace filters
16	Inspect engine vibration dampeners and replace if rubber shows extrusion.
17	Inspect insulation including turbo-charger blankets to assure that no not surfaces are exposed.
18	Replace filter in AC unit
19	Inspect fire fighting equipment and replace if damaged.
20	Lubricate steering linkages
21	Check heat exchanger zinc plugs for corrosion and replace as required
22	Inspect gratings and other trip hazards and refasten if loose
23	Perform operational check of boat and certify that boat fulfills all conditions of Coast Guard regulations
24	Perform operational check of tug boat access ramp.

Task #3
Frequency: Annually

Step	Description
1	Perform annual maintenance painting to decks and other areas which show corrosion.
2	"Perform annual maintenance inspection to identify items needed for shipyard overhaul," "maintenance projects, and obsolescence replacement requirements."
3	Perform annual inspections on equipment to check for wear and deterioration
4	"Inspect electrical wiring, control wiring, panels and connections for deterioration"
5	"Inspect living quarters, perform annual cleanup and replace deteriorated or worn

	items."
6	Determine required date for next shipyard overhaul and identify maintenance items for this overhaul. August 2000 and every 5 years thereafter.
7	Clean appliances interior and exterior
8	"Perform vibration analysis on propeller shafts, pumps, engines and generators"
9	"Perform oil analysis on main engines, generators and on hydraulic systems"

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**6/00**	(WEEKLY) Step 6: Changed "…to 90% of capacity or greater" to "…as required." (QUARTERLY) Step 2: Deleted "…in accordance with manufacturers instruction." (ANNUAL) Step 3: Deleted "…internals…" Step 6: Added "…August 2000 and every 5 years thereafter."

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #NG-1

SSC Natural Gas System

Task #1
Frequency - Quarterly (13 weeks)

Step	Description
1	Perform blow-down of pipeline at all positions to remove build-up of internal moisture.
2	Check Odorizer odorant level

Task #2
Frequency - Annually (52 weeks)

Step	Description
1	Lubricate blowdown valves with plug grease.
2	Cycle all shutoff valves and lubricate with plug grease.
3	Perform “sniff” check of entire gas distribution system.

Task #3
Frequency – 2 years (104 weeks)

Step	Description
1	Certify system relief valves

Task #4
Frequency - 5 years (260 weeks)

Step	Description
1	Calibrate gas supply gauge
2	Calibrate building (user) pressure gauges on both sides of pressure regulator.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**11/03**	**Added new Task 3 Frequency – 2 Year cycle**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # PW-1

SSC Potable Water System

No. 1 Wellhouse Complex

Task #1
Frequency - Quarterly

Step	Description
1	Perform Vibration Analysis on motor and pump assembly.

Task #2
Frequency - Semi-Annually

Step	Description
1	Lubricate water pump bearing with EP-2 grease.

Task #3
Frequency - Annually

Step	Description
1	Perform Motor Circuit Analysis on 30hp motor.
2	Lubricate motor with EP-2 grease.
3	Perform functional check of chlorine leak detection sensor.
4	Perform functional check of chlorine leak audible warning buzzer.

Task #4
Frequency - Biennial

Step	Description
1	Lubricate water meter register assembly with EP-2 grease.
2	Perform functional check of normally open gate valves by cycling closed, then open.
3	Perform functional check of normally closed gate valves by cycling open, then closed..

Task #5
Frequency - 5 years

Step	Description
1	Calibrate wellhead pressure gauge
2	Calibrate pump discharge pressure gauge

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	11/01	Task #1 frequency changed from monthly to quarterly

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # PW-2

SSC Potable Water System

No. 2 Wellhouse Complex

Task #1

Frequency - Quarterly

Step	Description
1	Perform Vibration Analysis on motor and pump assembly.

Task #2

Frequency -Semi-Annually

Step	Description
1	Lubricate water pump bearing with EP-2 grease.

Task #3

Frequency - Annually

Step	Description
1	Perform Motor Circuit Analysis on 30hp motor.
2	Lubricate motor with EP-2 grease.
3	Perform functional check of chlorine leak detection sensor.
4	Perform functional check of chlorine leak audible warning buzzer.

Task #4

Frequency - Biennial

Step	Description
1	Lubricate water meter register assembly with EP-2 grease.
2	Perform functional check of normally open gate valves by cycling closed, then open.
3	Perform functional check of normally closed gate valves by cycling open, then closed.

Task #5

Frequency - Five years

Step	Description
1	Calibrate wellhead pressure gauge.
2	Calibrate pump discharge pressure gauge.

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	**11/01**	**Task #1 frequency changed from monthly to quarterly**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # PW-3

SSC Potable Water System

No. 3 Wellhouse Complex

Task # 1
Frequency - Quarterly

Step	Description
1	Perform Vibration Analysis on motor and pump assemblies.

Task # 2
Frequency - Semi - Annually

Step	Description
1	Lubricate water pump bearings with EP-2 grease.

Task # 3
Frequency - Annually

Step	Description
1	Perform Motor Circuit Analysis on 40hp motors.
2	Lubricate motors with EP-2 grease.
3	Perform functional check of chlorine leak detection sensor.
4	Perform functional check of chlorine leak audible warning buzzer.
5	Perform functional check of sump pump and float switch.

Task # 4
Frequency - Biennial

Step	Description
1	Lubricate water meter register assembly with EP-2 grease.
2	Perform functional check of normally open gate valves by cycling closed, then open.
3	Perform functional check of normally closed gate valves by cycling open, then closed..

Task # 5

Frequency - 5 Years

Step	Description
1	Calibrate all pressure gauges

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	11/01	Task #1 frequency changed from monthly to quarterly

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # PW-4

SSC Potable Water System

No. 3 Elevated Tank Pumphouse Complex

Task # 1
Frequency - Quarterly

Step	Description
1	Perform Vibration Analysis on motor and pump assemblies

Task # 2
Frequency - Semi - Annually

Step	Description
1	Lubricate pumps with EP-2 grease.

Task # 3
Frequency - Annually

Step	Description
1	Perform Motor Circuit Analysis on 15hp motors.
2	Lubricate motors with EP-2 grease.

Task # 4
Frequency - Biennial

Step	Description
1	Perform functional check of float switch.
2	Perform functional check of normally open gate valves by cycling closed, then open.
3	Perform functional check of normally closed gate valves by cycling open, then closed.

CHANGE RECORD

REV #1	REV DATE	DESCRIPTION OF REVISION
1	11/01	Task #1 frequency changed from monthly to quarterly

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # SS-1
Domestic Wastewater System

Lift Stations

Task # 1

Frequency – Semi-Annually

Step	Description
1	Inspect for sufficient effluent level decrease, after pump activated
2	Inspect check valves for no backflow, after pump shutdown
3	Verify proper operation of floats including high level alarms and feed back to EMCS (if equipped with EMCS monitoring)
4	Check "water in lubrication" or "seal failure" warning light bulb
5	Verify gate valve operation by fully opening and closing each valve
6	Check all components for significant corrosion
7	Visually check surroundings for sink holes, leaks, or other concerns.

Frequency – Annually

Step	Description
1	Inspect open frame relay contacts for pitting or burning (if so equipped)
2	Inspect for sufficient effluent level decrease, after pump activated
3	Inspect check valves for no backflow, after pump shutdown
4	Verify proper operation of floats including high level alarms and feed back to EMCS (if equipped with EMCS monitoring)
5	Check "water in lubrication" or "seal failure" warning light bulb
6	Check all components for significant corrosion
7	Visually check surroundings for sink holes, leaks, or other concerns.
8	Replace impellers (selected lift stations only)

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	7/18/06	Changed annual frequency to semi-annually, added Steps 3 and 6. Removed Biennially step and added to semi-annual. Removed Quinquennially step. Added step 8 on Annually.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # SS-2
Domestic Wastewater System

Lift Station, Secure Mounted Pump Type

Task # 1
Frequency - Weekly (1 week)

Step	Description
1	Check for air leaks in air bubbler system
2	Blow down compressed air tank to remove accumulated water

Task # 2
Frequency -Monthly (4 weeks)

Step	Description
1	Clean dehumidifier air intake, then adjust humidistat to verify unit operation
2	Verify no debris in sump pump inlet, then trip sump pump float switch to verify unit operation

Task # 3
Frequency - Semi-Annually (26 weeks)

Step	Description
1	Lubricate pump bearings with multipurpose grease

Task # 4
Frequency - Annually (52 weeks), continued

Step	Description
1	Replace compressor(s) air filter and checkout operation of air system
2	Inspect open frame relay contacts for pitting or burning
3	Clean sediment out of wet well with fire hose, while pump system is activated
4	During wet well clean out, inspect for drop in wet well effluent level , with pump running
5	During wet well clean out, inspect wet well for no backflow, after pump turns off
6	Check operation of primary & backup pressure switches during wet well clean out
7	Trip alarm limit switch (if equipped) and verify alarm light operation

8	Verify manual operation by placing selector switch in manual position and verifying pump operation
9	Check operation of alternators, by activating manual switches several Times

Task # 5
Frequency - Biennially (104 weeks)

Step	Description
1	Inspect pump impeller blades for wear, shim as necessary
2	Functionally test gate valves by cycling open and closed

Task # 6
Frequency - Quinquennial (260 week)

Step	Description
1	Perform motor circuit analysis on pump motor to determine motor health

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	04/17/06	Maintenance Task Sheet SS-2 “Lift Station, Secure Mounted Pump Type” is cancelled. Concurred by Lladro Sylvester email of April 14, 2006.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # SS-3
Domestic Wastewater System

Lagoon System

Task # 1
Frequency - Weekly (1 week)

Step	Description
1	Clear flow obstructions.
2	Remove trash & weeds
3	Monitor hyacinth & duckweed health

Task # 2
Frequency - Annually (52 weeks)

Step	Description
1	Replace Ultra-Violet bulbs *
2	Analyze condition of sludge buildup and remove as necessary
3	Perform point-point functional checkout of control system

Replacement UV bulbs shall be provided by the contractor.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # SS-4
Domestic Wastewater System

Septic Tank with Rockreed Filter

Task # 1
Frequency - Semi-Annually (26 weeks)

Step	Description
1	Inspect rockreed filter and remove weeds and other contaminants from area

Task # 2
Frequency - Annually (52 weeks)

Step	Description
1	Replace Ultra-Violet bulbs *

Replacement UV bulbs shall be provided by the contractor.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # SS-5
Domestic Wastewater System

Septic Tank

Task # 1
Frequency - Quarterly (13 weeks)

Step	Description
1	Inspect drain field for surfacing effluent. This is indicated by a spongy condition or the growth of green algae

This is the non-maint job plans

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # SS-6
Domestic Wastewater System

Sump Pump
Task # 1
Monthly (4 weeks)

1	Inspect piping and supports
2	Inspect valves and actuators
3	Inspect electrical connections and controls
4	Inspect for obstructions in sump, screen, and piping
5	Verify auto/manual operation
6	Verify check valve operation
7	If applicable, verify EMCS indications of level alarm and power interrupt

Task # 2
Quarterly (13 weeks)

1	Clean motor and sump pit area as required
2	Clean and lube float switch linkage as required
3	Clean and check float for damage
4	If applicable, inspect and clean non-float level switches as required
5	Inspect pump seals for leakage

Task # 3
Annually (52 weeks)

1	Perform motor current signature analysis (if rated five (5) horsepower and above)
2	Lubricate motor bearings
3	Lubricate pump shaft bearings
4	Lubricate discharge valve stems

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	04/01	(a) Task 2, Step 4 - Added additional step as follows: If applicable, inspect and clean non-float level switches as required. Renumbered existing step 4 to step 5. (b) Task 3, Step 1 – Added current signature.

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET # SS-7
Domestic Wastewater System

Lift Station, Slide Mounted Pump Type, Landfill Leachate System

Task # 1
Monthly

1	Flush piping under cell at north end of Cells #3 and #4 until water pumped at Lift Stations #47 and #48 is clean/clear

Task # 2
Quarterly

1	Operate pumps in Lift Station #46 until leachate holding tank is empty
2	Position front end loader with bucket under hatch on bottom of tank
3	Open tank hatch and clean sediment/debris from tank
4	Verify operation of tank inlet check valve
5	Verify operation of check valve on pumps at Lift Station #46
6	Remove and clean strainers at inlet to pumps at Lift Station #46
7	Inspect pumps, valves, and piping for leaks; repair as required
8	Inspect pressure valves; replace as required

CHANGE RECORD

REV #	REV DATE	DESCRIPTION OF REVISION
1	8/28/06	Deleted Semi-Quarterly steps to remove pumps

ANNEX 5
EXHIBIT 3
BACKLOG OF MAINTENANCE AND REPAIR DATABASES (BMAR)

Description of Backlog of Maintenance and Repair Databases (BMAR)

The BMAR databases, Test Complex and Base, is a summary of deficiencies noted during the annual facility inspections. In addition, structures, facilities, utilities, systems and subsystems that are no longer economical to repair or are within 5 years of expected service life are included in the databases. Each record in the database is called a project, regardless of the estimated cost.

FIELD NAME	DESCRIPTION
Project Number	Required; A sequential project number automatically assigned through the BMAR Database
Project Title	Required; Contractor determined
Base/Test	Required; Designation of project – Test Complex or Base
Status	Contractor determined
Safety	Required; Safety related items are included in project
Condition Assessment Code	Required; Contractor determined 1 Bad 2 Poor 3 Fair 4 Good 5 Excellent
Inspector	Contractor determined
SWR	Contractor Determined – Once project is approved an SWR number will be assigned
Facility ID	Required; Real property number for the specific structure, facility or utility
Facility Discrepancy	Contractor Determined – Safety Discrepancy linked to the BMAR project
Work Element	Required; Restricted to the following values: (see definitions in NHB 8831.2A) A – Preventive Maintenance B – Predictive Testing and Inspection C – Grounds Maintenance D – Programmed Maintenance E – Corrective Maintenance (Repair)

ANNEX 5
EXHIBIT 3
BACKLOG OF MAINTENANCE AND REPAIR DATABASES (BMAR)

	F – Trouble Calls (there should not be any trouble calls in the BMAR) G – Replacement of Obsolete Items (ROI) H – Service Requests
Equipment Number	Required for numbered equipment; A unique number assigned to equipment and maintained in the CMMS

FIELD NAME	DESCRIPTION	
Discipline	Required; restricted to the following values:	
	ALTG	Area Lighting
	ARCH	Architectural Systems
	CAFE	Cafeteria Equipment
	DEMAND	Tenant Agency Equipment
	ELEC	Low Voltage Electrical System
	EMCS	EMCS System
	HVAC	Heating Ventilation and A/C
	HVLT	High Voltage Electrical System
	IAGP	Installation Account Government Property
	MECH	Mechanical Systems
	SPME	Special Purpose Mobile Equipment
	TCSD	Test Complex Service Division
	TESTCT	Test Contractor
System	Required; restricted to the following values:	
	HVAC	All equipment and components associated with Heating, Ventilation and Air Conditioning
	EMCS	All equipment and components associated with the Energy Management and Control System

ANNEX 5
EXHIBIT 3
BACKLOG OF MAINTENANCE AND REPAIR DATABASES (BMAR)

ELEC	All electrical equipment and components except High Voltage
HIVOLT	Distribution 600 volts and greater
M/S	Except HVAC and equipment associated with sanitary and storm sewer systems, includes fire protection systems
ROAD	All road repair projects including signage
PKLOT	Parking lots including striping, wheel stops, etc
ROOF	All roofing related projects
EXPAINT	All components of the Exterior Waterproofing System, such as exterior painting, caulking, sealing, etc
SWALK	Sidewalks
NG	All equipment and components associated with the natural gas system
FENCE	Perimeter and security fencing
ARCH	Architectural systems excluding exterior paint. Includes interior paint, floor covering, and ceiling tile in common use areas, windows, doors, interior and exterior stairs, etc.
SEWER	All equipment and components associated with the sanitary and storm sewer systems

Subsystem (Unit)	Contractor determined
Location Info	Contractor determined

FIELD NAME	DESCRIPTION
Priority	Required; Restricted to the following values

1. Emergency; Safety of life or property threatened; immediate mission impact; loss of utilities

2. **Urgent; Maintenance or repair work required for continued facility operation; should be completed to ensure continuous operation of the facility and to restore healthful environment. Not a life-threatening emergency. Respond upon completion of current work but within a specified period of**

ANNEX 5
EXHIBIT 3
BACKLOG OF MAINTENANCE AND REPAIR DATABASES (BMAR)

time.

3. **Priority; Work that is to support the mission on a priority basis or to meet project deadlines. Complete before starting new Priority 4 (routine) work.**

4. **Routine; Facilities maintenance work that can be routinely scheduled within the capability of the facilities maintenance organization. Complete in order of receipt and consolidate by facility or zone to obtain efficiency of operation.**

5. Discretionary; Work that is desired but not essential to protect, preserve, or restore facilities and equipment. Typically, new work that is not tied to a specific mission milestone.

6. Deferred; Work that may be safely, operationally, and economically postponed; the work should be done, but cannot be scheduled because of funds shortage, work site access, or conditions outside the control of the maintenance organization.

Last Inspected	Required; Fiscal year the project was identified or last inspected
FY Required	Required; Contractor determined – once established this value cannot change unless the priority changes
Fund Source	Government determined (primarily used to identify projects that are the Responsibility of a resident agency, Construction of Facilities, Local Construction funds) – when known the Contractor should fill in this field. Restricted to the following values: RES – Resident Agency COF – Construction of Facilities LC – Local Construction
ROM Cost	Required; Contractor determined - Rough Order Magnitude cost estimate
Shop/Sub	Contractor Determined – Once project is approved crew/contractor will be determined.
Start/Finish Date	Contractor Determined – Once project is approved start/finish date will be determined.

ANNEX 5
EXHIBIT 3
BACKLOG OF MAINTENANCE AND REPAIR DATABASES (BMAR)

Comments Contractor determined

ANNEX 5
EXHIBIT 4
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)

ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	**EQNUM**	**DESCRIPTION**	**BLDG**	**PRIORITY**	**INSTALL DATE**	**PM/CM**	**CM ONLY**
SPME	00971661	TRAILER, BOAT	1100	5	4/6/2001		X
HVAC	0132870	AIR CONDITIONER, PORTABLE (SPOT COOLER 1)	2201	3		X	
HVAC	0132871	AIR CONDITIONER, PORTABLE (SPOT COOLER 2)	2201	3	1/1/1987	X	
SPME	031007	NL 31-07 - AMBULANCE	2201	1	12/15/1989		X
SPME	034015	NL 34-15 - FOUR WHEEL SCOOTER (GASOLINE)	2204	5	6/27/1988	X	
SPME	034017	NL 34-17 - VEHICLE- OFFROAD UTILITY (NASA#G033820)	2105	5	4/25/1989	X	
SPME	034022	NL 34-22 - VEHICLE- OFF ROAD UTILITY	8100	5	9/11/1992	X	
SPME	034023	NL 34-23 - VEHICLE- OFF ROAD UTILITY	8100	5	9/11/1992	X	
SPME	034025	NL 34-25 - FOUR WHEELER, HONDA	2403	5	3/15/1994		X
SPME	034040	NL 34-40 - FOUR WHEEL UTILITY VEHICLE	2403	5	9/27/2005	X	
SPME	034041	NL 34-41 - FOUR WHEEL UTILITY VEHICLE	2403	5	9/27/2005	X	
SPME	034042	NL 34-42 - FOUR WHEEL UTILITY VEHICLE	2201	4	8/12/2005	X	
SPME	034E11	NL 34-E11 - GOLF CART	2201	5	10/14/1980	X	
SPME	034E13	NL 34E-13 - GOLF CART EZ-GO	2204	5	6/10/1988	X	
SPME	034E18	NL 34E-18 - GOLF CART- EZ-GO	2204	5	6/28/1989	X	
SPME	034E20	NL 34E-20 - GOLF CART	2204	5	10/23/1991	X	

ANNEX 5
EXHIBIT 4
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)

ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	034E21	NL 34E-21 - GOLF CART- EZ-GO	2201	5	6/11/1992	X	
SPME	034E22	NL 34E-22 - GOLF CART	2205	5	8/2/1993	X	
SPME	034E24	NL 34E-24 - GOLF CART EZ-GO	2204	5	8/17/1994	X	
SPME	034E25	NL 34E-25 - TRUCK, UTILITY, ELECTRIC	4010	5	10/15/2002	X	
SPME	034E26	NL 34E-26 - TRUCK, UTILITY ELECTRIC	4010	5	10/15/2002	X	
SPME	034E27	NL 34E-27 - GOLF CART	4010	5	4/17/2003	X	
SPME	034E28	NL 34E-28 - TRUCK UTILITY, ELECTRIC	4010	5	1/1/1993	X	
SPME	034E29	NL 34E-29 - TRUCK UTILITY, ELECTRIC	4010	5	1/1/1993	X	
SPME	034E3	NL 34E-3 - GOLF CART	2204	5	10/3/1980	X	
SPME	034E30	NL 34E-30 - TRUCK UTILITY, ELECTRIC	4010	5	1/1/1993	X	
SPME	034E32	NL 34E-32 - TRUCK UTILITY, ELECTRIC	4010	5	1/1/1992	X	
SPME	034E34	NL 34E-34 - ELECTRIC CART	3226	5	8/17/1994	X	
SPME	034E35	NL 34E-35 - ELECTRIC CART	3226	5	4/1/1992	X	
SPME	034E36	NL 34E-36 - ELECTRIC CART	3226	5	4/1/2001	X	
SPME	034E37	NL 34E-37 - ELECTRIC CART	3226	5	4/1/2001	X	
SPME	034E38	NL 34E-38 - ELECTRIC CART	3226	5	4/1/2001	X	
SPME	034E40	NL34E-40 - GOLF CART	4010	5	9/27/2005		X
SPME	034E5	NL 34E-5 - GOLF CART	2105	5	10/14/1980	X	
SPME	034E6	NL 34E-6 - GOLF CART	2205	5	10/14/1980	X	
SPME	034E9	NL 34E-9 VEHICLE, UTILITY, ELECTRIC	2201	5	8/27/2001	X	

ANNEX 5
EXHIBIT 4
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)

ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	051006	NL 51-06 - TRUCK- FIRE (ECN 0289804)	2201	1	10/16/1985	X	
SPME	051007	NL 51-07 - FIRE TRUCK	2201	1	5/30/2001		X
SPME	051008	NL 51-08 - TRUCK- MAINTENANCE	2201	5	10/16/1989		X
SPME	051012	NL 51-12 - TRUCK, FIRE	2201	1	1/26/1993	X	
SPME	051013	NL 51-13 - TRUCK FIRE	2201	1	3/24/1993	X	
SPME	051014	NL 51-14 - TRUCK, SERVICE	2201	3	8/19/1997	X	
SPME	051015	NL 51-15 - TRUCK, LADDER (ECN 1940402)	2201	1	6/22/1999	X	
SPME	051016	NL 51-16 - FIRE TRUCK	2201	1	10/7/2003		X
SPME	071076	NL 71-76 - TRUCK, AERIAL LIFT W/BUCKET (LDE)	2201	2	4/9/1986	X	
SPME	071082	NL 71-82 - CHEVY STEP VAN (NASA#0016134)	2205	5	9/30/1988		X
SPME	071087	NL 71-87 - TRUCK, FORD PICKUP	2207	5	2/7/1992	X	
SPME	071088	NL 71-88 - TRUCK, FORD PICKUP	2207	5	2/7/1992	X	
SPME	071097	NL 71-97 - TRUCK- 4 X 4 JIMMY (NASA#1542246)	2104	5	10/1/1992	X	
SPME	071099	NL 71-99 - TRUCK, FUEL	2105	5	11/6/2001	X	
SPME	071100	NL 71-100 - TRUCK, FOOD SERVICE	1100	5	5/8/2002	X	
SPME	071101	NL 71-101 - TRUCK, FOOD SERVICE	1100	5	5/8/2002	X	
SPME	071103	NL 71-103 - FUEL TANKER	2105	5	3/31/2006	X	
SPME	081023	NL 81-23 - TRUCK- DUMP	2105	5	2/9/1990	X	

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DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	081024	NL 81-24 - TRUCK, POLE (LDE)	2201	2	1/16/1990	X	
SPME	081028	NL 81-28 - WRECKER(NASA#1224232)	2105	5	1/15/1993	X	
SPME	081030	NL 81-30 - TRUCK, SERVICE (NASA#1323186)	2105	5	8/18/1993	X	
SPME	081031	NL 81-31 - TRUCK- DUMP	2105	5	11/16/1994	X	
SPME	081033	NL 81-33 - 1 1/2 TON FLATBED TRUCK-NASA# 1540902	2105	4	11/16/1994	X	
SPME	081036	NL 81-36 - TRUCK, STAKE BODY	2105	5	5/18/1998	X	
SPME	081038	NL 81-38 - TRUCK, DUMP	2105	5	7/14/1999	X	
SPME	081040	TANKS & ATTACHMENTS TO GSA VEHICLE #	2105	5	12/12/2000		X
SPME	081044	NL 81-44 - TRUCK, WATER	2105	5	11/6/2001	X	
SPME	081045	NL 81-45 - TRUCK, BOX VAN	2105	5	11/6/2001	X	
SPME	081046	NL 81-46 TRUCK-DUMP	2105	5	10/4/2005	X	
SPME	091008	NL 91-08 - TRAILER 7' X 34'	2201	5	5/14/1986		X
SPME	091013	NL 91-13 - TRAILER, SEMI TANK	2403	5	8/28/1997		X
SPME	091030	NL 91-30 - TRAILER PIPE-POLE	3110	5	9/14/1964	X	
SPME	091031	NL 91-31 - TRAILER FOLD GOOSENECK 50 TON	2105	5	9/9/1965	X	
SPME	091068	NL 91-68 - TRAILER- W/TANK	2105	5	12/10/1985		X
SPME	091070	NL 91-70 - TRAILER W/ANTENNA(NASA#0133461)	2105	5	12/10/1985		X
SPME	091071	NL 91-71 - TRAILER, MOWER	2403	5	7/5/1988		X

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ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	**EQNUM**	**DESCRIPTION**	**BLDG**	**PRIORITY**	**INSTALL DATE**	**PM/CM**	**CM ONLY**
		TRANSPORTER(ECN#0015173)					
SPME	091072	NL 91-72 - TRAILER, MOWER TRANSPORTER(ECN#0015174)	2403	5	7/5/1988		X
SPME	091073	NL 91-73 - TRAILER 10'X30' (SMART TRA)	2201	5	8/29/1988		X
SPME	091077	NL 91-77 - TRAILER, TRUCK TILTING	2105	5	11/1/1991	X	
SPME	091078	NL 91-78 - TRAILER, ENCLOSED(MCI LOAN)-ECN:1011199	2105	5	11/13/1991	X	
SPME	091079	NL 91-79 - TRAILER, LOWBOY(NASA #1223798)	2105	5	5/28/1992	X	
SPME	091080	NL 91-80 - TRAILER	2105	5	6/3/1990	X	
SPME	091094	NL 91-94 - TRAILER LOWBED - NASA # 1539314	2105	5	7/14/1995	X	
SPME	091095	NL 91-95 -TRAILER-SEMI TANK 5000 GAL(NASA#0034627)	2105	5	4/2/1997	X	
SPME	091096	NL 91-96 - TRAILER, HYDRAULIC	2403	5	8/28/1997		X
SPME	091098	NL 91-98 - TRAILER, WELLS CARGO INC (ECN:0034722)	2201	3	3/9/1998	X	
SPME	091099	NL 91-99 - TRAILER, WELLS CARGO INC (ECN:1541319)	2201	3	3/9/1998	X	
SPME	091100	NL 91-100 - TRAILER, DROP DECK (NASA#1912664)	2105	5	4/14/1998	X	
SPME	091102	NL 91-102 - TRAILER, PLATFORM (NASA#1939418)	2105	5	10/20/1998	X	

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SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	091105	NL 91-105 - TRAILER, UTILITY (NASA#1940664)	2403	5	11/23/1999		X
SPME	091106	NL 91-106 - TRAILER, TOOL	2109	5	3/17/2000		X
SPME	091107	NL 91-107 - TRAILER, WATER	2109	5	3/17/2000		X
SPME	091108	NL 91-108 - TRAILER, FLAT BED (2-AXLE)	2403	5	3/2/2000		X
SPME	091109	NL 91-109 - TRAILER	4010	5	5/19/2000		X
SPME	091111	NL 91-111 TRAILER, LOW BED (50 TON)	2105	5	10/1/2002	X	
SPME	091112	NL 91-112 - TRAILER	2105	5	7/29/2003		X
SPME	091113	NL 91-113 - TRAILER UTILITY	2105	5	5/17/2006	X	
SPME	110017	NL110-17 - SPRAYER HI-PRESS	2201	5	6/22/1999		X
SPME	110019	NL110-19 - SPRAYER- INSECT	2201	5	6/22/1999		X
SPME	110097	NL110-97 - SEWERODER RODER COIL	2201	5	8/1/1967	X	
SPME	110100	NL110-100 - MIXER CONCRETE TILE SIDE EISCH	2201	5	6/13/1975	X	
SPME	110110	NL110-110 - WELDING MACHINE ARC TWO WHEEL	2205	5	9/14/1976		X
SPME	110132	NL110-132 - CENTRIFUGAL PUMP (NASA#0593198)	2201	5	1/13/1982	X	
SPME	110133	NL110-133 - PUMP TRASH PORTABLE (NASA#0593203)	2201	5	1/13/1982	X	
SPME	110134	NL110-134 - POWER PLANT GENERATOR	2201	5	1/13/1982	X	

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DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	110136	NL110-136 - CENTRIFUGAL PUMP	2201	5	1/13/1982		X
SPME	110137	NL110-137 - LINCOLN WELDING MACHINE	2205	5	3/1/1984		X
SPME	110138	NL110-138 - LINCOLN WELDING MACHINE	4302	5	3/1/1984		X
SPME	110139	NL110-139 - WELDING MACHINE	2205	5	10/1/1984	X	
SPME	110147	NL110-147 - PORTABLE AIR COMP SN 30066	2201	5	12/6/1984	X	
SPME	110156	NL110-156 - WELDER, TRAILBLAZER, GAS(ECN1910808)	2205	5	2/26/1986	X	
SPME	110157	NL110-157 - WELDER, TRAILBLAZER, GAS(ECN: 2156333)	4120	5	1/1/1986	X	
SPME	110161	NL110-161 - GENERATOR 5000 WATT	2201	5	6/16/1986		X
SPME	110163	NL110-163 - AIR COMPRESSOR	2205	5	5/27/1987	X	
SPME	110166	NL110-166 - GEN.(#59413 A83)G32951	4302	5	5/27/1987		X
SPME	110174	NL110-174 - COMPRESSOR	4302	5	10/9/1987	X	
SPME	110175	NL110-175 - COMPRESSOR, PORTABLE AIR	2206	5	10/9/1987	X	
SPME	110178	NL110-178 - GENERATOR	2201	5	6/20/1988	X	
SPME	110185	NL110-185 - GENERATOR- PORTABLE (GAS)	2201	5	2/11/2002		X
SPME	110193	NL110-193 - WELDER- LINCOLN TRL MTD (NASA#G034298)	2205	5	8/7/1989		X
SPME	110194	NL110-194 - WELDER- LINCOLN TRAILER MTD	2205	5	8/7/1989	X	
SPME	110195	NL110-195 - WELDING MACHINE	2205	5	8/11/1989		X

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SPME	110196	NL110-196 - WELDING MACHINE (NASA#G034342)	2205	5	8/11/1989		X
SPME	110198	NL110-198 - GENERATOR (NASA#G034369)	2201	5	8/14/1989	X	
SPME	110200	NL110-200 - ARC WELDING SYSTEM	2205	5	8/14/1990		X
SPME	110205	NL110-205 - PUMP, GASOLINE NASA#1011066)	2201	5	7/5/1990	X	
SPME	110206	NL110-206 - PUMP ((NASA#1012137)	2201	5	3/1/1991	X	
SPME	110208	NL110-208 - WELDING MACHINE- MILLER ELEC	2205	5	12/19/1991		X
SPME	110211	NL110-211 - WELDING MACHINE- MILLER ELEC	2205	5	12/19/1991		X
SPME	110220	NL110-220 - WELDING MACHINE	2205	5	10/13/1992	X	
SPME	110221	NL110-221 - WELDING MACHINE	2205	5	10/13/1992	X	
SPME	110222	NL110-222 - GENERATOR (NASA#1322534)	2201	5	3/23/1993	X	
SPME	110223	NL110-223 - GENERATOR (NASA#1322588)	2201	5	4/9/1993	X	
SPME	110224	NL110-224 - GENERATOR (NASA#1323234)	2201	5	9/7/1993	X	
SPME	110226	NL110-226 - WELDER- DIESEL	2205	5	4/13/1994	X	
SPME	110227	NL110-227 - AIR COMPRESSOR	2105	5	4/28/1994	X	
SPME	110230	NL110-230 - TRAILER FOR PORTABLE 100 TON CHILLER	2201	5	4/28/1995		X
SPME	110234	NL110-234 - MILLER TRAILBLAZER	2205	5	8/12/1996	X	

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DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	110236	NL110-236 - WELDING MACHINE (NASA#1940587)	2205	5	1/27/1997	X	
SPME	110237	NL110-237 - WELDING MACHINE	2205	5	1/27/1997	X	
SPME	110239	NL110-239 - WELDING MACHINE (NASA#1910143)	2205	5	6/9/1997	X	
SPME	110240	NL110-240 - WELDING MACHINE-ARC (NASA#1910144)	2205	5	6/9/1997	X	
SPME	110245	NL110-245 - PUMP, CENTRIFUGAL (NASA#1910166)	2201	5	6/16/1997	X	
SPME	110246	NL110-246 - WELDING MACHINE (NASA#1912393)	4301	5	1/1/1997	X	
SPME	110247	NL110-247 - GENERATOR, 100KW	2105	4	9/21/1993	X	
SPME	110248	NL110-248 - GENERATOR, EMERGENCY(ECN 1912807)	2201	5	5/21/1998	X	
SPME	110249	NL110-249 - GENERATOR, PORTABLE (ECN 0034872)	2201	5	1/1/1997		X
SPME	110250	NL110-250 - AERATOR, PORTABLE	2201	5	4/7/1999		X
SPME	110252	NL110-252 - POSITIONER, WELDING	2205	5	4/7/1999		X
SPME	110255	NL110-255 - GENERATOR	7020	3	11/17/1994	X	
SPME	110262	NL110-262 - WASHER, PRESSURE	2105	5	6/16/2000		X
SPME	110266	NL110-266 COMPRESSOR, AIR	2105	5	4/1/2001		X

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DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	110279	NL110-279 - AIR COMPRESSOR	2105	5	2/11/2002		X
SPME	110281	NL110-281 - GENERATOR (DIESEL) (2156555)	2201	5	6/27/2003	X	
SPME	110282	NL110-282 - GENERATOR (DIESEL) (2156556)	2201	5	6/27/2003	X	
SPME	110283	NL110-283 - GENERATOR (DIESEL) (2156557)	2201	5	6/27/2003	X	
SPME	110284	NL110-284 - GENERATOR DIESEL) (2156789)	2201	5	6/27/2003	X	
SPME	110289	NL110-289 - GENERATOR, DIESEL	2201	5	8/22/2005	X	
SPME	110290	NL110-290 - GENERATOR (PORTABLE) 2157918	2201	5	8/28/2005	X	
SPME	110291	NL110-291 - GENERATOR (TRAILER MOUNTED) (2157919)	2201	5	8/24/2005	X	
SPME	110293	NL110-293 GENERATOR (MSS0929)	2201	5	11/30/2005		X
SPME	110294	NL110-294 GENERATOR (MSS0930)	2201	5	11/30/2005		X
SPME	110299	NL110-299 - WELDING MACHINE, ARC	4302	5	6/2/2006		X
SPME	110300	NL110-300 WELDING MACHINE, ARC	2205	5	6/2/2006		X
SPME	110304	NL110-304 WELDING MACHINE, DIESEL	4302	5	7/5/2006		X
SPME	110305	NL110-305 WELDING MACHINE, DIESEL	2205	5	6/30/2006		X
SPME	120077	NL120-77 - FORKLIFT (LDE)	2105	5	1/5/1981	X	
SPME	120084	NL120-84 - FORKLIFT UPRIGHT- ELECTRIC 4000LB (LDE)	2204	5	9/27/1983	X	
SPME	120087	NL120-87 - FORKLIFT (LDE)	2105	5	1/1/1984	X	
SPME	120089	NL120-89 - FORKLIFT - ELECTRIC (LDE)	2203	5	8/1/1984	X	

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DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	120094	NL120-94 - TRUCK WALKIE REACH (LDE)	2105	5	7/8/1985	X	
SPME	120110	NL120-110 - FORKLIFT 36 VOLT ELEC (LDE)	2204	5	9/15/1987	X	
SPME	120111	NL120-111 - FORKLIFT 36 VOLT ELEC (LDE)	2204	5	9/15/1987	X	
SPME	120112	NL120-112 - FORKLIFT- ELECTRIC - CATERPILLAR (LDE)	2204	5	9/16/1987	X	
SPME	120116	NL120-116 - FORKLIFT (LDE)	2105	3	3/9/1988	X	
SPME	120118	NL120-118 - FORKLIFT, CLARK ELEC (LDE)	2204	5	6/17/1988	X	
SPME	120119	NL120-119 - FORKLIFT, YALE ELEC (LDE)	2201	5	7/19/1988	X	
SPME	120120	NL120-120 - FORKLIFT, DIESEL 4000LB (LDE)	2205	5	10/31/1988	X	
SPME	120121	NL120-121 - FORKLIFT, DIESEL 6000LB (LDE)	4301	5	11/10/1988	X	
SPME	120122	NL120-122 - FORKLIFT (LDE)	2105	5	12/28/1988	X	
SPME	120124	NL120-124 - FORKLIFT- 4,000 LB GASOLINE (LDE)	4220	5	10/30/1989	X	
SPME	120126	NL120-126 - FORKLIFT- GASOLINE 6000 LB (LDE)	2204	5	12/20/1989	X	
SPME	120127	NL120-127 - FORKLIFT EXTENDER (LDE)	2205	5	8/3/1990	X	
SPME	120129	NL120-129 - FORKLIFT- DIESEL (LDE)	2205	5	8/3/1990	X	
SPME	120130	NL120-130 - FORKLIFT, HYSTER (LDE)	2204	5	8/3/1990	X	
SPME	120131	NL120-131 - FORKLIFT- UPRIGHT- YALE (LDE)	2204	5	1/9/1991	X	
SPME	120133	NL120-133 - FORKLIFT- ELECTRIC (HYSTER)	2204	5	10/1/1991	X	

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DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
		(LDE)					
SPME	120134	NL120-134 - FORKLIFT, ELECTRIC (HYSTER) (LDE)	2204	5	10/24/1991	X	
SPME	120135	NL120-135 - FORKLIFT, ELECTRIC (HYSTER) (LDE)	2204	5	10/30/1991	X	
SPME	120144	NL120-144 - FORKLIFT (LDE)	2105	5	6/2/1993	X	
SPME	120147	NL120-147 - FORKLIFT, ELECTRIC, STANDUP (LDE)	2205	5	1/24/1994	X	
SPME	120160	NL120-160 - FORKLIFT, 6,000LB DIESEL (LDE)	2205	5	4/2/1997	X	
SPME	120161	NL120-161 - FORKLIFT (LDE)	2105	5	4/2/1997	X	
SPME	120164	NL120-164 - FORKLIFT, DIESEL 6,000 LB (LDE)	4010	5	9/18/1997	X	
SPME	120166	NL120-166 - FORKLIFT, STACKER (NASA#0824850) (LDE)	8304	5	5/5/1988	X	
SPME	120168	NL120-168 - FORKLIFT (LDE)	2105	5	11/9/1998	X	
SPME	120184	NL120-184 - FORKLIFT, TRUCK (LDE)	2204	5	10/17/2002	X	
SPME	120185	NL120-185 - FORKLIFT, TRUCK (LDE)	2105	5	6/20/2001	X	
SPME	120188	NL120-188 - FORKLIFT, TRUCK (LDE)	2204	5	9/28/2004	X	
SPME	120189	NL120-189 - FORKLIFT, TRUCK (LDE)	4302	5	9/28/2004	X	
SPME	120190	NL 120-190 - FORKLIFT ELECTRIC (LDE)	2204	5	9/15/2005	X	
SPME	130005	NL130-05 - CRANE MOBILE- (DRAGLINE) (LDE)	3201	5	5/27/1965		X

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DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	130018	NL130-18 - TRACTOR FRONT END LOADER	2105	5	6/11/1976	X	
SPME	130023	NL130-23 - TRACTOR LOADER/BACKHOE	2105	5	6/3/1976	X	
SPME	130033	NL130-33 - SWEEPER, MAGNETIC (NASA#0593629)	2105	5	5/11/1964	X	
SPME	130048	NL130-48 - LIFT A LOFT (LDE)	2201	4	2/25/1980	X	
SPME	130051	NL130-51 - TRENCHER SELF PROPELLED	2105	5	9/3/1981	X	
SPME	130069	NL130-69 - GRADER	2105	5	4/10/1986	X	
SPME	130072	NL130-72 - SWEEPER	2105	5	8/1/1986	X	
SPME	130073	NL130-73 - PERSONNEL LIFT- GENIE (LDE)	4110	5	9/25/1987	X	
SPME	130074	NL130-74 - HT SWEEPER S/N 124672	2403	5	10/21/1987		X
SPME	130077	NL130-77 - GENIE BOOM LIFT Z-30/20 (LDE)	2201	4	12/30/1987	X	
SPME	130079	NL130-79 - LIFT-A-LOFT PERSONNEL (LDE)	2201	5	10/19/1989	X	
SPME	130080	NL130-80 - CRANE, MOBILE (BRODERSON) (LDE)	2105	4	12/4/1990	X	
SPME	130086	NL130-86 - TRACTOR- CATERPILLAR(NASA# 0819064)	2105	3	11/8/1991	X	
SPME	130089	NL130-89 - EXCAVATOR, HYDRAULIC (NASA#1224492)	2105	3	9/15/1992	X	
SPME	130090	NL130-90 - DOZER- BULL(NASA# 1224932)	2105	5	10/21/1992	X	
SPME	130091	NL130-91 - COMPACTOR-	2105	5	3/23/1993		X

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		GARBAGE(NASA#1322510)					
SPME	130093	NL130-93 - CRANE, MOBILE (55 TON GROVE) (LDE)	2105	3	11/8/1993	X	
SPME	130094	NL130-94 - LIFT, PERSONNEL (LDE)	2201	4	3/28/1994	X	
SPME	130095	NL130-95 - LIFT PERSONNEL (LDE)	2205	3	5/3/1994	X	
SPME	130096	NL130-96 - END LOADER	2105	3	6/20/1994	X	
SPME	130097	NL130-97 - BACKHOE, CATEPILLAR	2105	5	7/14/1994	X	
SPME	130098	NL130-98 - LIFT-A-LOFT (LDE)	2201	4	9/29/1994	X	
SPME	130099	NL130-99 - CRANE, MOBILE (AMERICAN) (LDE)	2105	5	7/10/1996	X	
SPME	130100	NL130-100 - COMPACTOR- LANDFILL (NASA#1542245)	2105	3	2/25/1993	X	
SPME	130101	NL130-101 - CRANE, MOBILE (25 TON GROVE) (LDE)	2105	3	4/2/1997	X	
SPME	130102	NL130-102 - SCRAPER (NASA#1912185)	2105	5	2/24/1998	X	
SPME	130103	NL130-103 - LIFT, PERSONNEL (LDE)	2201	5	5/7/1998	X	
SPME	130104	NL130-104 - MANLIFT (NASA#1912819) (LDE)	2201	5	6/3/1998	X	
SPME	130105	NL130-105 - CRANE, MOBILE (8.5 TON TEREX) (LDE)	2105	5	6/9/1998	X	
SPME	130106	NL130-106 - CRANE, MOBILE (75 TON TEREX) (LDE)	2105	5	6/9/1998	X	

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ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	**EQNUM**	**DESCRIPTION**	**BLDG**	**PRIORITY**	**INSTALL DATE**	**PM/CM**	**CM ONLY**
SPME	130108	NL130-108 - GRADER, ROAD	2105	5	6/23/1999	X	
SPME	130113	NL 130-113 - STREET SWEEPER	2109	5	4/1/2003	X	
SPME	130114	NL 130-114 - LIFT, PERSONNEL (LDE)	2105	4	4/7/2003	X	
SPME	130115	NL 130-115 - LOADER, SCOOP TYPE	2105	5	5/30/2003		X
SPME	130119	NL 130-119 - DOZER - BULL	2105	5	3/25/2005	X	
SPME	130120	NL130-120 - EXCAVATOR - TRACK HOE	2105	3	4/12/2005	X	
SPME	130121	NL130-121 - LIFT, BOOM (LDE)	2105	4	4/26/2005	X	
SPME	130122	NL 130-122 - DOZER	2105	5	3/24/2006	X	
SPME	130123	NL 130-123 - LOADER - SCOOP TYPE	2105	5	5/17/2006	X	
SPME	140065	NL140-65 - TRACTOR AGRICULTURE 35 HP ENG	2105	5	11/24/1975	X	
SPME	140091	NL140-91 - TRACTOR	2403	5	3/9/1979		X
SPME	140120	NL140-120 - SELF PROP. VACUUM (BILLY GOAT)	2201	5	4/5/1985		X
SPME	140121	NL140-121 - TRACTOR- FORD	2403	5	6/22/1987	X	
SPME	140129	NL140-129 - ROTO HOE	2403	5	1/15/1989		X
SPME	140134	NL140-134 - FORD TRACTOR	2403	5	5/17/1988	X	
SPME	140142	NL140-142 - CHIPPER- LANDSCAPE	2403	5	9/3/1991	X	
SPME	140154	NL140-154 - MOWER	2403	5	4/7/2000	X	
SPME	140155	NL140-155 - TRACTOR	2403	5	4/7/2000	X	

ANNEX 5
EXHIBIT 4
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)

ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	140156	NL140-156 - TRACTOR	2403	5	4/17/2000	X	
SPME	140157	NL140-157 - TRACTOR	2403	5	4/14/2000	X	
SPME	140158	NL140-158 - TRACTOR	2403	5	4/4/2000	X	
SPME	140159	NL140-159 - MOWER RIDING	2403	5	4/26/2000	X	
SPME	140160	NL140-160 - MOWER RIDING	2403	5	4/26/2000		X
SPME	140161	NL140-161 - MOWER RIDING	2403	5	4/26/2000		X
SPME	140163	NL140-163 - MOWER RIDING	2403	5	4/26/2000	X	
SPME	140164	NL140-164 - MOWER RIDING	2403	5	4/26/2000		X
SPME	140165	NL140-165 - MOWER RIDING	2403	5	4/26/2000	X	
SPME	140166	NL140-166 - MOWER RIDING	2403	5	4/26/2000		X
SPME	140167	NL140-167 - MOWER BATWING	2403	5	4/26/2000	X	
SPME	140168	NL140-168 - MOWER BATWING	2403	5	5/2/2000	X	
SPME	140169	NL140-169 - MOWER BATWING	2403	5	5/2/2000	X	
SPME	140170	NL140-170 - TILLER, GAS	2403	5	5/1/2000	X	
SPME	140171	NL140-171 - MOWER, BUSH HOG	2403	5	6/7/2000		X
SPME	140172	NL140-172 - MOWER, BATWING	2403	5	6/20/2000	X	
SPME	140173	TRACTOR (ATTACHMENTS 140-174, 140-175, 140-176)	2403	5	10/18/2000	X	
SPME	140174	NL140-174 - MOWER, FLAIL, REAR WING	2403	5	10/18/2000		X
SPME	140175	NL140-175 - MOWER, FLAIL, RIGHT WING	2403	5	10/18/2000		X

ANNEX 5
EXHIBIT 4
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)

ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	EQNUM	DESCRIPTION	BLDG	PRIORITY	INSTALL DATE	PM/CM	CM ONLY
SPME	140176	NL140-176 - MOWER, FLAIL, LEFT WING	2403	5	10/18/2000		X
SPME	140177	NL140-177 - TILLER	2109	5	6/22/2001		X
SPME	140178	NL140-178 - MOWER, BUSHHOG	2109	5	2/28/2001		X
SPME	140179	NL140-179 - BOXBLADE	2403	5	3/20/2001		X
SPME	140180	NL140-180 - DISC, HARROW	2403	5	3/20/2001		X
SPME	140181	MOWER, BATWING	2403	5	3/27/2001	X	
SPME	140182	MOWER, BATWING	2403	5	4/9/2001	X	
SPME	140183	NL 140-183 GRINDER, STUMP	2109	5	1/27/2003	X	
SPME	140184	NL140-184 MOWER, LAWN WALK BEHIND	2109	5	2/5/2003	X	
SPME	140187	NL 140-187 - MOWER RIDING	2403	5	4/1/2005	X	
SPME	140188	NL140-188 - MOWER RIDING	2403	5	4/1/2005	X	
SPME	140189	NL140-189 - MOWER BATWING	2403	5	4/1/2005	X	
SPME	150003	NL150-03 - TANK, LIQUID STORAGE (NASA#0405908)	2105	5	5/20/2002		X
SPME	150004	NL150-04 - CAMPER, TOW	2201	5	1/29/1986		X
SPME	150005	NL150-05 - DARKROOM, TRAILER MOUNTED	4102	5	10/28/1985		X
SPME	150006	NL150-06 - MOBILE DARK ROOM	8101	5	4/8/1988		X
SPME	160001	NL160-01 - TUG CLERMONT II	3201	5	9/13/1983	X	
HVAC	1939904	AIR CONDITIONER, PORTABLE (SPOT COOLER 4)	2201	3		X	

ANNEX 5
EXHIBIT 4
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)

ANNEX 5, EXHIBIT 4							
SPECIAL PURPOSE MOBILE EQUIPMENT (SPME)							
DISCIPLINE	**EQNUM**	**DESCRIPTION**	**BLDG**	**PRIORITY**	**INSTALL DATE**	**PM/CM**	**CM ONLY**
HVAC	1939905	AIR CONDITIONER, PORTABLE (SPOT COOLER 3)	2201	3		X	
HVAC	2157681	AIR CONDITIONER, PORTABLE (SPOT COOLER 5)	2201	3	5/17/2005	X	
HVAC	2157682	AIR CONDITIONER, PORTABLE (SPOT COOLER 6)	2201	3	5/17/2005	X	
HVAC	2157683	AIR CONDITIONER, PORTABLE (SPOT COOLER 7)	2201	3	5/17/2005	X	
HVAC	2157684	AIR CONDITIONER, PORTABLE (SPOT COOLER 8)	2201	3	5/17/2005	X	
HVAC	2157685	AIR CONDITIONER, PORTABLE (SPOT COOLER 9)	2201	3	5/17/2005	X	

ANNEX 5
EXHIBIT 5
INVENTORY OF VERTICAL TRANSPORTATION EQUIPMENT LIST

ANNEX 5, EXHIBIT 5
INVENTORY OF VERTICAL TRANSPORTATION EQUIPMENT LIST

EQNUM	BLDG	TYPE	CAPACITY	MFR.	YEAR INST.	LAST INSP. DATE	DATE TESTED	SPEED	NO. FLRS	DOORS
940156	1000	DW	400 LBS	MONTGOME	1964	8/06	N/A	50	3	MD
96A09993	1000	PHE	6000 LBS	MONTGOME	1987	8/06	N/A	100	3	PD
96A09998	1002	PHE	4000 LBS	DOVER	1978	6-Aug	N/A	100	2	PD
00970887	1100	PHE	4500 LBS	DOVER	2000	8/06	N/A	125	3	PD
00970888	1100	PHE	4500 LBS	DOVER	2001	8/06	N/A	125	3	PD
00970889	1100	PHE	3500 LBS	DOVER	2001	8/06	N/A	150	3	PD
96A10003	1100	PCE	3500 LBS	WESTINGH	1992	8/06	06/02	250	3	PD
96A10008	1100	PCE	3500 LBS	WESTINGH	1992	8/06	06/02	250	3	PD
96A10013	1100	FHE	4000 LBS	WESTINGH	1994	8/06	N/A	50	3	MD
96A10018	1100	PHE	2100 LBS	DOVER	1992	8/06	N/A	150	3	PD
96A10023	1100	PHE	2100 LBS	DOVER	1992	8/06	N/A	150	3	PD
96A10028	1103	PHE	3500 LBS	DOVER	1987	8/06	N/A	125	2	PD
96A10033	1103	PHE	3500 LBS	DOVER	1987	8/06	N/A	125	2	PD
96A10038	1200	PCE	2500 LBS	MONTGOME	1994	8/06	06/02	200	4	PD
00962193	2204	PHE	2100 LBS	AMERICAN CRESENT	2001	8/06	N/A	125	2	PD
96A10043	3203	PHE	2000 LBS	DOVER	2005	8/06	N/A	125	3	PD
96A10048	3203	FCE	5000 LBS	OTIS	1965	8/06	N/A	150	6	PD
96A10064	4120	PCE	9000 LBS	TURNBULL	1992	8/06	06/02	300	12	PD
96A10069	4122	PCE	9000 LBS	OTIS	1992	8/06	06/02	300	12	PD
00971179	4220	PCE	9000 LBS	OTIS	2001	8/06	06/02	300	19	PD
00971180	4220	PCE	9000 LBS	OTIS	2001	8/06	06/02	300	19	PD
96A10086	4995	DW	500 LBS	OTIS	1964	8/06	N/A	50	2	MD
96A10054	8100	PHE	3500 LBS	U.S.ELEC	1981	8/06	N/A	125	3	PD

NOTES:

DW	DUMBWAITER	PD	POWER DOORS
FCE	FREIGHT CABLE ELEVATOR	MD	MANUAL DOORS
FHE	FREIGHT HYDRAULIC ELEVATOR		
PCE	PASSENGER CABLE ELEVATOR		
PHE	PASSENGER HYDRAULIC ELEVATOR		

ANNEX 5
EXHIBIT 6
INVENTORY OF BACKFLOW PREVENTORS

ANNEX 5, EXHIBIT 6			
INVENTORY OF BACKFLOW PREVENTORS			
BLDG	**ROOM**	**QUANTITY**	**SIZE**
1000		2	3/4"
		1	1"
	ZONE 99	1	2"
1002		1	3/4"
	2225	1	3/4"
1003		2	1"
1005	BOILER RM	1	1"
1009		2	3"
		1	1 1/4"
	EQ. RM	1	8"
1020	MECH RM	1	3/4"
1022		1	2 1/2"
		1	1"
1100		2	3/4"
		1	1 1/2"
	OUTSIDE OF MECH RM COURTY	1	1"
	RM 3016	1	3/4"
	RM 11111B	1	6"
1103		1	3/4"
	MECH RM	2	3/4"
	MECH RM	1	1"

ANNEX 5
EXHIBIT 6
INVENTORY OF BACKFLOW PREVENTORS

ANNEX 5, EXHIBIT 6			
INVENTORY OF BACKFLOW PREVENTORS			
BLDG	**ROOM**	**QUANTITY**	**SIZE**
	MECH RM	1	2"
1105		2	3/4"
	SO. EQ. RM	1	4"
1110		1	1"
1200		1	1"
	MECH RM	1	2"
1201	184	1	3/4"
	New Mech Rm	1	3/4"
1210		1	3/4"
2101		1	1 1/2"
	RM 137	1	3/4"
2102		1	3/4"
2105		1	1 1/2"
		1	3/4"
2203		1	3/4"
2204		1	1 1/2"
2205		2	1"
		1	1 1/2"
2206		2	3/4"
2505		2	2"
3201		1	3/4"

ANNEX 5
EXHIBIT 6
INVENTORY OF BACKFLOW PREVENTORS

ANNEX 5, EXHIBIT 6			
INVENTORY OF BACKFLOW PREVENTORS			
BLDG	**ROOM**	**QUANTITY**	**SIZE**
3202		1	1"
3203		2	3/4"
		1	3"
3225		1	6"
		1	1"
3226		1	6"
		1	1"
3305		2	3/4"
	EAST WALL	2	3/4"
4001		1	2"
4008		1	4"
4010		1	1"
		1	4"
4050		2	1"
		1	2"
4070		1	2"
		1	6"
4072		4	2"
4080	MER	1	3"
	MER	1	4"
4110		1	1"

ANNEX 5
EXHIBIT 6
INVENTORY OF BACKFLOW PREVENTORS

ANNEX 5, EXHIBIT 6			
INVENTORY OF BACKFLOW PREVENTORS			
BLDG	**ROOM**	**QUANTITY**	**SIZE**
4210		1	2"
4220		1	1 1/2 "
4221	EAST LOX DOCK	1	1"
	LEVEL 1 BY OXYGEN TANK	1	1"
	LVL 11 OUTSIDE	1	1"
	LVL 7	1	1"
	LVL 8	1	1 1/2 "
4400		1	3/4"
		1	1"
4995		1	1"
5005 TEST COMPLEX ASRM MAIN LI		1	6"
8100		1	1 1/2 "
	Room 132	1	3/4"
	Room 128A	2	1/2"
	Room 112K	1	1/2"
	Room 112H	1	3/4"
8105		1	3/4"
8110		3	3/4"
		1	1 1/2 "
		1	2 1/2 "
8201		1	3/4"

ANNEX 5
EXHIBIT 6
INVENTORY OF BACKFLOW PREVENTORS

ANNEX 5, EXHIBIT 6			
INVENTORY OF BACKFLOW PREVENTORS			
BLDG	**ROOM**	**QUANTITY**	**SIZE**
8301		1	3/4"
Total		104	

ANNEX 5
EXHIBIT 7
REFUSE PICKUP SCHEDULE

		QUANTITY		FREQUENCY/TIME					TOTAL WEEKLY	TOTAL WEEKLY
LOCATION	**DAYS**	**DUMPSTER**	**BARRELL**	**M**	**T**	**W**	**TH**	**F**	**DUMPSTERS**	**BARRELS**
1002 N.SIDE	5	3		AM	AM	AM	AM	AM	15	
1002 S. SIDE	5	1		AM	AM	AM	AM	AM	5	
1002 SHREDDER	2	1			AM		AM		2	
1005	5	2		AM	AM	AM	AM	AM	10	
1009	5	1		AM	AM	AM	AM	AM	5	
1020	5	2		AM	AM	AM	AM	AM	10	
1100	5	3		AM	AM	AM	AM	AM	15	
1100 S.Wing	5	1	5	AM	AM	AM	AM	AM	5	
1100 Cafeteria	5	3		AM	AM	AM	AM	AM	15	
1103	5	2		AM	AM	AM	AM	AM	10	
1105 N. Side	5	1		AM	AM	AM	AM	AM	5	
1110, 1105	5	2		AM	AM	AM	AM	AM	10	
1200	5	3		AM	AM	AM	AM	AM	15	
1200-VISITOR AREA	5		8	AM	AM	AM	AM	AM		40
1201	5	1		AM	AM	AM	AM	AM	5	
1210	5	1		AM	AM	AM	AM	AM	5	
2019	3	1		AM		AM		AM	3	
2040	5	1		AM	AM	AM	AM	AM	5	
2101	5	4		AM	AM	AM	AM	AM	20	

ANNEX 5
EXHIBIT 7
REFUSE PICKUP SCHEDULE

		QUANTITY		FREQUENCY/TIME					TOTAL WEEKLY	TOTAL WEEKLY
LOCATION	DAYS	DUMPSTER	BARRELL	M	T	W	TH	F	DUMPSTERS	BARRELS
2104	5	2		AM	AM	AM	AM	AM	10	
2105	5	2		AM	AM	AM	AM	AM	10	
2108	5	1		AM	AM	AM	AM	AM	5	
2109	5	1		AM	AM	AM	AM	AM	5	
2120	5	1		AM	AM	AM	AM	AM	5	
2201	5		2	AM	AM	AM	AM	AM		10
2201, 2205, 2206	5	8		AM	AM	AM	AM	AM	40	
2204 S. SIDE	5	2		AM	AM	AM	AM	AM	10	
2204 Receiving Dock	5	1		AM	AM	AM	AM	AM	5	
2204 NO. SIDE	5	1		AM	AM	AM	AM	AM	5	
2316	3	1		AM		AM		AM	3	
2406	3	2		AM		AM		AM	6	
2409	3	1		AM		AM		AM	3	
2411	5	2		AM	AM	AM	AM	AM	10	
2411	5		12	AM	AM	AM	AM	AM		60
2423	5	1		AM	AM	AM	AM	AM	5	
2425	1	1		AM					1	
2436	3	1		AM		AM		AM	3	
2501	1	1				AM			1	
3101	3	1		AM		AM		AM	3	

ANNEX 5
EXHIBIT 7
REFUSE PICKUP SCHEDULE

		QUANTITY		FREQUENCY/TIME					TOTAL WEEKLY	TOTAL WEEKLY
LOCATION	DAYS	DUMPSTER	BARRELL	M	T	W	TH	F	DUMPSTERS	BARRELS
3101	3		1	AM		AM		AM		3
3200	3	1		AM		AM		AM	3	
3201	1	1		AM		AM		AM	1	
3202	3	2		AM		AM		AM	6	
3203	3	3		AM		AM		AM	9	
3204	3	1		AM		AM		AM	3	
3205	3	2		AM		AM		AM	6	
3225	3	1		AM		AM		AM	3	
3226	3	1		AM		AM		AM	3	
3300	3	1		AM		AM		AM	3	
3305	3	1		AM		AM		AM	3	
3407	3	1		AM		AM		AM	3	
4010	3	1		AM		AM		AM	3	
E-1 TEST STAND	3	3		AM		AM		AM	9	
4110	3	1		AM		AM		AM	3	
4110	3		1	AM		AM		AM		3
4120	3	3	1	AM		AM		AM		3
4122	3	1	1	AM		AM		AM	3	
4210	3		1	AM		AM		AM		3
4210	3	1		AM		AM		AM	3	

ANNEX 5
EXHIBIT 7
REFUSE PICKUP SCHEDULE

		QUANTITY		FREQUENCY/TIME					TOTAL WEEKLY	TOTAL WEEKLY
LOCATION	**DAYS**	**DUMPSTER**	**BARRELL**	**M**	**T**	**W**	**TH**	**F**	**DUMPSTERS**	**BARRELS**
4220 (East Pier)	3	1	1	AM		AM		AM	3	
4220 (West Pier)	3	3		AM		AM		AM		0
4301	3	1		AM		AM		AM	3	
4302	3	2		AM		AM		AM	6	
4400	3	1		AM		AM		AM	3	
4995	3	2	1	AM		AM		AM	6	
7001	3	1		AM		AM		AM	3	
7001	4		1	AM		AM		AM		4
8101	3	1		AM		AM		AM	1	
8201	3	2		AM		AM		AM	6	
8301	3	2		AM		AM		AM	6	
8306	3	1		AM		AM		AM	3	
8100. 8110	3	4		AM		AM		AM	12	
SERVICE STATION	3	1		AM		AM		AM	3	
SOFTBALL FIELD 1	3		4	AM		AM		AM		12
SOFTBALL FIELD 2	3		2	AM		AM		AM		6
MINI MART	2	1		AM				AM		
GUN ARCHERY	1	1	3					TOTAL	409	144

ANNEX 5
EXHIBIT 7
REFUSE PICKUP SCHEDULE

		QUANTITY		FREQUENCY/TIME					TOTAL WEEKLY	TOTAL WEEKLY
LOCATION	**DAYS**	**DUMPSTER**	**BARRELL**	**M**	**T**	**W**	**TH**	**F**	**DUMPSTERS**	**BARRELS**
CLUB								WK		
	282	112	44					TOTAL	21268	7488

Annex 5.0
PERFORMANCE REQUIREMENTS
SUMMARY

CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
1	Develop and Accomplish Preventive Maintenance Program. (Annex 5.2)	15	RR, PI, UPI, VCC	Accomplish PM on Schedule	25	Use available resources to accomplish PM requirements effectively. Accomplish per Table 5.2-1	10%
			RR, PI, UPI, VCC	Accomplish Minor Repairs	25	Complete all minor repairs at job site, with available resources	5 occ
			RR	Provide PM Report (DR5-FA02)	25	Submit reports timely and accurately.	3 occ
			PI, UPI, VCC	Quality of Accomplished Repairs	25	Work quality complies with specified standards.	10%

Annex 5.0
PERFORMANCE REQUIREMENTS
SUMMARY

CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
ANNEX 5 (OPERATIONS AND MAINTENANCE SERVICES)							
2	Accomplish Corrective Maintenance	10	PI, UPI, RR	CM accomplished in accordance with Table 5.3-1	50	CM completed within specified response time requirements	20%
	(Annex 5.3)		PI, UPI, VCC	Provide Quality Work	25	Work quality complies with specified standards	15%
			RR	Document and Prioritize CM	25	Report covers all specified reporting requirements. Assign work priority in accordance with definition in Annex 5.1	5 occ

Annex 5.0 PERFORMANCE REQUIREMENTS SUMMARY							
CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
ANNEX 5 (OPERATIONS AND MAINTENANCE SERVICES)							
3	Perform Operations (Annex 5.4)	5	PI, UPI, VCC, RR	Provide Proper System Operation	35	Systems are operating to specified output ranges, capacities, and efficiency	7 occ
			RR, PI, UPI	Provide Qualified System Operators	35	Operator staffing within specified “watchstanding” requirement; operators are properly equipped and qualified	5 occ
			RR	Manage and Document System Operation	30	Systems are operating to specified output ranges, capacities, and efficiency. Operating logs are complete, data is entered within specified time requirements and plans, procedures are submitted Use resources and manage effectively	7 occ

Annex 5.0 PERFORMANCE REQUIREMENTS SUMMARY							
CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
ANNEX 5 (OPERATIONS AND MAINTENANCE SERVICES)							
4	Assure Availability (Annex 5.5)	50	RR	Document Results	10	Document covers all specified reporting requirements	See Tables Annex 5.5
			PI, UPI, VCC	Provide Availability	90	Perform intended function and deliver the intended output	

Annex 5.0
PERFORMANCE REQUIREMENTS
SUMMARY

CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
ANNEX 5 (OPERATIONS AND MAINTENANCE SERVICES)							
5	Provide management, Engineering and Craft Support for Test Complex Work (Annex 5.6)	10	PI, UPI, VCC	Perform all work per customer requirement, maintain bench stock, provide timely reports and notifications to NASA, control costs	100	Complete all work on time, in accordance with engineering standards, provide adequate staffing for work load and maintain bench stock to satisfy historical and current work requirements. Provide all notifications and reports on time. Keep equipment in operating condition to meet work load.	10 occ

Annex 5.0
PERFORMANCE REQUIREMENTS
SUMMARY

CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
ANNEX 5 (OPERATIONS AND MAINTENANCE SERVICES)							
6	Accomplish Facility Inspection and Planned Maintenance Program	5	PI, UPI, VCC	Perform inspection of all structures, facilities, utilities, systems and subsystems	10	Inspection covers all required facility components and systems	7%
	(Annex 5.7)		PI, UPI, VCC	Develop, Implement, and Document Planned Maintenance Program	90	Plan is timely/priority reflects maintenance requirements estimates and budget. Quality workmanship within cost and on schedule. Documentation complete and accurate indicate facility/systems condition and repair requirements.	7 occ

Annex 5.0
PERFORMANCE REQUIREMENTS
SUMMARY

CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
ANNEX 5 (OPERATIONS AND MAINTENANCE SERVICES)							
7	Perform grounds Maintenance Integrated Management (Annex 5.8)	5	PI, UPI, VCC	Provide Quality Work	60	Work Quality complies with specified standards	20%
			PI, UPI, VCC	Develop Work Plan and Document Work	30	Grounds Maintenance is completed within specified time requirements	15%
			RR	Provide Grounds Maintenance History Report	10	Report covers all specified reporting requirements	10%

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF 15 PAGES

2. AMENDMENT/MODIFICATION NO.
000260

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
4200372272

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 _____ copies to the issuing office.

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

This Administrative Modification is a zero dollar adjustment (Zero #50, PR #4200372272).
All other terms & conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Other Administrative Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $344,079,380.00
New Total Amount for this Award: $621,487,500.00
Contracting Officer changed
from Gerald Norris
to ADRIANNE PEYTON
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
1-20-2011

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 2 Total Amount changed from $235,767,686.00 to $236,466,966.00 Obligated Amount for this modification: $155,974.00 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $235,767,686.00 to $236,466,966.00 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/145812.09.01.05/000/2540 /64/CASX32009D/255X Account code changed from 64RA10/6100.2540/64/FC000000/145812.09.01.05/000/2 540/64/CASX32009D/255X/1/43 to 64RA10/6100.2540/FC000000/145812.09.01.05/000/2540 /64/CASX32009D/255X Amount changed from $197,600.00 to $195,800.00 Percent changed from .10566 to .08305 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/196325.02.01/000/2540/64 -196325/ESAX02006D/389A Amount changed from $154,937.41 to $124,230.29 Percent changed from .06572 to .05269 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8616.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8616.10/ 000/2540/64/CASX22010R/CASP/6/7 to 64BA22/6100.2540/FC000000/329527.01.09.8616.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,000.00 to $1,646.00 Percent changed from .00139 to .0007 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8651.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8651.10/ 000/2540/64/CASX22010R/CASP/23/24 to 64BA22/6100.2540/FC000000/329527.01.09.8651.10/000 /2540/64/CASX22010R/CASP Amount changed from $7,500.00 to $7,079.84 Percent changed from .00348 to .003 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8545.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8545.09/ 000/2540/64/CASX22009R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8545.09/000 /2540/64/CASX22009R/CASP Amount changed from $32,675.00 to $19,175.00 Percent changed from .01529 to .00813 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8628.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8628.10/ 000/2540/64/CASX22010R/CASP/8/9 to 64BA22/6100.2540/FC000000/329527.01.09.8628.10/000 /2540/64/CASX22010R/CASP Amount changed from $21,870.00 to $14,289.59 Percent changed from .01023 to .00606 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.1 5/000/2540/64/EXPX22010D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.15/000/2540/64/EXPX22010D/234A/1/2 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.1 5/000/2540/64/EXPX22010D/234A Amount changed from $6,700.00 to $5,815.96 Percent changed from .00311 to .00247 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8650.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8650.10/ 000/2540/64/CASX22010R/CASP/19/20 to 64BA22/6100.2540/FC000000/329527.01.09.8650.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,000.00 to $251.11 Percent changed from .00093 to .00011 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8665.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8665.10/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX22010R/CASP/9/10 to 64BA22/6100.2540/FC000000/329527.01.09.8665.10/000 /2540/64/CASX22010R/CASP Amount changed from $5,319.00 to $4,914.75 Percent changed from .00247 to .00208 CHANGES FOR ACCOUNTING CODE: 64PA20/6100.2540/FC000000/956635.09.06.05.05/000/2 540/64-956635/EXCX02006D/538A Account code changed from 64PA20/6100.2540/64/FC000000/956635.09.06.05.05/00 0/2540/64-956635/EXCX02006D/538A/1/2 to 64PA20/6100.2540/FC000000/956635.09.06.05.05/000/2 540/64-956635/EXCX02006D/538A Amount changed from $7,131.00 to $3,186.19 Percent changed from .00381 to .00135 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8612.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8612.10/ 000/2540/64/CASX22010R/CASP/3/4 to 64BA22/6100.2540/FC000000/329527.01.09.8612.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,325.00 to $2,296.78 Percent changed from .00108 to .00097 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8423.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8423.09/ 000/2540/64/CASX22009R/CASP/24/25 to 64BA22/6100.2540/FC000000/329527.01.09.8423.09/000 /2540/64/CASX22009R/CASP Amount changed from $5,000.00 to $4,995.00 Percent changed from .00257 to .00212 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8719.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8719.10/ 000/2540/64/CASX22010R/CASP/30/31 to 64BA22/6100.2540/FC000000/329527.01.09.8719.10/000 /2540/64/CASX22010R/CASP Amount changed from $30,000.00 to $6,350.96 Percent changed from .01391 to .00269 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.15/000/2540/64/EXPX22010D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.15/000/2540/64/EXPX22010D/234A/2/3 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.15/000/2540/64/EXPX22010D/234A Amount changed from $5,000.00 to $.04 Percent changed from .00232 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.99/000/2540/64/EXPX22010D/234A/1/47 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,800.71 Percent: .01091 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/000/2540/64/CASX12011R/CASP/2/48 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,944.81 Percent: .00167 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/000/2540/64/CASX12011R/CASP/3/49 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $61,280.38 Percent: .02591 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.98.02.09.02/00 0/2540/64/EXPX02009D/234A/4/50 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $155,974.00 Percent: .06596 Subject To Funding: Payment Address:				
	CHANGES FOR LINE ITEM NUMBER: 3 Total Amount changed from $56,175,833.00 to $55,476,553.00 Obligated Amount for this modification: -$155,974.00 Incremental Funded Amount changed from (b)(4)				
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8614.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8614.10/ 000/2540/64/CASX22010R/CASP/5/6 to 64BA22/6100.2540/FC000000/329527.01.09.8614.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,000.00 to $2,398.34 Percent changed from .00547 to .00427				
	CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 4/000/2540/64/EXPX22010D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.64/000/2540/64/EXPX22010D/234A/8/9 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 4/000/2540/64/EXPX22010D/234A Amount changed from $50,000.00 to $8,947.00 Percent changed from .08966 to .01593				
	CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.9 5/000/2540/64/EXPX22010D/234A Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.95/000/2540/64/EXPX22010D/234A/11/12 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.9 5/000/2540/64/EXPX22010D/234A Amount changed from $25,000.00 to $13,158.00 Percent changed from .04483 to .02342 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8813.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8813.10/ 000/2540/64/CASX22010R/CASP/9/10 to 64BA22/6100.2540/FC000000/329527.01.09.8813.10/000 /2540/64/CASX22010R/CASP Amount changed from $500.00 to $228.70 Percent changed from .0009 to .00041 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8613.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8613.10/ 000/2540/64/CASX22010R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8613.10/000 /2540/64/CASX22010R/CASP Amount changed from $16,613.34 to $10,870.19 Percent changed from .02995 to .01935 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8651.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8651.10/ 000/2540/64/CASX22010R/CASP/15/16 to 64BA22/6100.2540/FC000000/329527.01.09.8651.10/000 /2540/64/CASX22010R/CASP Amount changed from $12,500.00 to $.01 Percent changed from .02253 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8645.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8645.10/ 000/2540/64/CASX22010R/CASP/10/11 to 64BA22/6100.2540/FC000000/329527.01.09.8645.10/000 /2540/64/CASX22010R/CASP Amount changed from $12,000.00 to $10,960.08 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .02152 to .01951 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A/1/2 to 64PA00/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Amount changed from $613,413.00 to $610,283.79 Percent changed from 1.09994 to 1.08638 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/097596.09.01.02/000/2540/64/CECX62010D/769Z Account code changed from 64RA10/6100.2540/64/FC000000/097596.09.01.02/000/2540/64/CECX62010D/769Z/1/43 to 64RA10/6100.2540/FC000000/097596.09.01.02/000/2540/64/CECX62010D/769Z Amount changed from $4,103,432.76 to $4,090,932.76 Percent changed from 7.39779 to 7.28237 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/417230.08.01.01.03.0/4/000/2540/64/EXCX22010D/538A Account code changed from 64PA00/6100.2540/64/FC000000/417230.08.01.01.03.0/4/000/2540/64/EXCX22010D/538A/6/7 to 64PA00/6100.2540/FC000000/417230.08.01.01.03.0/4/000/2540/64/EXCX22010D/538A Amount changed from $20,000.00 to $19,955.05 Percent changed from .03525 to .03552 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/9/000/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/9/000/2540/64-956635/EXCX02006D/538A/1/2 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/9/000/2540/64-956635/EXCX02006D/538A Amount changed from $910,000.00 to $754,026.00 Percent changed from 1.60398 to 1.34226 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8643.10/000/2540/64/CASX22010R/CASP Account code changed from Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.8643.10/000/2540/64/CASX22010R/CASP/17/18 to 64BA22/6100.2540/FC000000/329527.01.09.8643.10/000/2540/64/CASX22010R/CASP Amount changed from $2,000.00 to $1,181.88 Percent changed from .00356 to .0021 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8647.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8647.10/000/2540/64/CASX22010R/CASP/18/19 to 64BA22/6100.2540/FC000000/329527.01.09.8647.10/000/2540/64/CASX22010R/CASP Amount changed from $5,000.00 to $4,521.09 Percent changed from .0089 to .00805 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8628.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8628.10/000/2540/64/CASX22010R/CASP/20/21 to 64BA22/6100.2540/FC000000/329527.01.09.8628.10/000/2540/64/CASX22010R/CASP Amount changed from $600.00 to $.01 Percent changed from .00107 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8825.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8825.10/000/2540/64/CASX22010R/CASP/22/23 to 64BA22/6100.2540/FC000000/329527.01.09.8825.10/000/2540/64/CASX22010R/CASP Amount changed from $8,600.00 to $8,392.86 Percent changed from .01531 to .01494 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8813.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8813.10/000/2540/64/CASX22010R/CASP/41/42 to 64BA22/6100.2540/FC000000/329527.01.09.8813.10/000/2540/64/CASX22010R/CASP Amount changed from $1,220.97 to $200.00 Percent changed from .00217 to .00036 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 5/000/2540/64/EXPX22010D/234A Amount changed from $1,121,028.49 to $825,989.49 Percent changed from 1.97594 to 1.47036 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8616.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8616.10/ 000/2540/64/CASX22010R/CASP/3/4 to 64BA22/6100.2540/FC000000/329527.01.09.8616.10/000 /2540/64/CASX22010R/CASP Amount changed from $110.94 to $.01 Percent changed from .0002 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8694.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8694.10/ 000/2540/64/CASX22010R/CASP/17/18 to 64BA22/6100.2540/FC000000/329527.01.09.8694.10/000 /2540/64/CASX22010R/CASP Amount changed from $8,889.35 to $298.73 Percent changed from .01624 to .00053 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.01.09.01.01/00 0/2540/64/EXCX22011D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $44.95 Percent: .00008 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/956635.09.06.07.05.0/ 9/000/2540/64-956635/EXCX02006D/538A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $155,974.00 Percent: .27765 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,903.42 Percent: .03187 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $19,392.29 Percent: .03452 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.05.02.09/00 0/2540/64/EXPX02009D/234A/5/6 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,129.21 Percent: .00557 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/6/7 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,300.00 Percent: .02546 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/6/8 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,700.00 Percent: .01015 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.1/ 7/000/2540/64-956635/EXCX02006D/538A/7/9 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,371.00 Percent: .00244 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 0/000/2540/64-956635/EXCX02006D/538A/8/10 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $732.70 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .0013 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/384161.09.09.03/000/2 540/64/WCNX04546R/664A/9/11 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00534 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/384161.09.09.04/000/2 540/64/WCNX04546R/664A/10/12 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00356 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.05.15.05.0/ 9.01/000/2540/64/EXPX22010D/234A/11/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,818.00 Percent: .04596 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.98.02.09.02/00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	0/2540/64/EXPX02009D/234A/12/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $44,026.00 Percent: .07837 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.62/000/2540/64/EXPX22010D/234A/13/15 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .0089 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.99/000/2540/64/EXPX22010D/234A/14/16 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $97,199.29 Percent: .17303 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8646.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8646.11/ 000/2540/64/CASX12011R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8646.11/000 /2540/64/CASX12011R/CASP Amount changed from $1,480.31 to $.01 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .00284 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/1/88 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,480.30 Percent: .00284 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 25

2. AMENDMENT/MODIFICATION NO. 000261

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)* Net Increase: $8,982,166.91
See Schedule

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* 52.232-22 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR # 4200372063, 4200365094,4200372216, 4200371661 and 4200372856)

2. See continuation pages 24-25.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 1-21-2011

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Obligated Amount for this Modification: $8,982,166.91 New Total Obligated Amount for this Award: $308,743,348.87 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: $984,945.00 Incremental Funded Amount changed from [redacted] (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.09.01.09.23/000/2540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00085 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $123,000.00 Percent: .05202 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.02.05.09/000/2540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,100.00 Percent: .00047 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,800.00 Percent: .00076 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $270,000.00 Percent: .11418 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $583,445.00 Percent: .24673 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $300.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00013 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,300.00 Percent: .0014 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $7,997,221.91 Incremental Funded Amount changed from $4,515,544.38 to $12,512,766.29 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.01/000/2 540/64/CECX62010D/769Z/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,500.00 Percent: .02398 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/215952.07.01.09.02/00 0/2540/64/EXPX22011D/029N/2/3 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $45,000.00 Percent: .08631 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64RA30/6100.2540/64/FC000000/884617.04.04.01.09.0/ 2.08/000/2540/64/CASX12011D/922A/3/4 Cost Center 64RA30 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $38,000.00 Percent: .07289 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05754 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/269027.04.09/000/2540 /64/SCEX22011D/515A/5/6 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00575 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.9016.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,554.65 Percent: .02408 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $37,643.88 Percent: .0722 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.09.01.09.22/00 0/2540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $61.00 Percent: .00012 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.09.01.09.23/00 0/2540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $833.00 Percent: .0016 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $110,962.00 Percent: .21283 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $362,100.00 Percent: .69453 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $101,813.00 Percent: .19528 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $280,232.00 Percent: .5375 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.02.05.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $1,012.00 Percent: .00194 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $96,096.00 Percent: .18432 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2 540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $88,039.00 Percent: .16886 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $374,513.00 Percent: .71834 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/12/13 Cost Center 64RA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $256,962.00 Percent: .49287 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $323,746.00 Percent: .62097 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/14/15 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $174,943.00 Percent: .33555 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/15/16 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $43,453.00 Percent: .08335 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 540/64/CASX12011D/361N/16/17 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $69,749.00 Percent: .13378 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.02/000/2 540/64/CECX62011D/573Z/17/18 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,886.00 Percent: .00937 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $37,000.00 Percent: .07097 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62011D/573Z/18/19 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,246.00 Percent: .00814 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64RA00/6100.2540/64/FC000000/736466.06.06.09.01/00 0/2540/64/CASX12011D/361N/19/20 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $335,000.00 Percent: .64255 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.01.09.01.01/00 0/2540/64/EXCX22011D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $74,955.05 Percent: .14377 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19181 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 6/000/2540/64/EXCX22011D/734A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04795 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $500,000.00 Percent: .95903 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,000.00 Percent: .38361 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.23/00 0/2540/64/EXCX22011D/734A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2.30 Percent: 0 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .28771 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05754 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.23/000/2540/64/EXPX22011D/234A/9/10 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $57,000.00 Percent: .10933 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.24/000/2540/64/EXPX22011D/234A/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,000.00 Percent: .01343 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/11/12 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $350,000.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .67132 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/12/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .28771 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.28/000/2540/64/EXPX22011D/234A/13/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .28771 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.51/000/2540/64/EXPX22011D/234A/14/15 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $170,000.00 Percent: .32607 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.53/000/2540/64/EXPX22011D/234A/15/16 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $70,000.00 Percent: .13426 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.55/000/2540/64/EXPX22011D/234A/16/17 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .28771 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/17/18 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $340,000.00 Percent: .65214 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.58/000/2540/64/EXPX22011D/234A/18/19 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $300,000.00 Percent: .57542 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64PA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $28,500.00 Percent: .05466 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/811540.02.01.09/000/2 540/64/CASX12011D/512F/20/21 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,200.00 Percent: .01765 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.04.09.76/000/2 540/64/EXCX22011D/734A/21/22 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05754 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/153825.08.02/000/2540 /64/SCEX02009D/646O/22/23 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $299.13 Percent: .00057 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9024.11/ Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $35,062.75 Percent: .06725 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8732.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $88,134.17 Percent: .16905 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9025.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,565.91 Percent: .01068 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/129985.01.09.01/000/2 540/64/CASX12011R/CMO/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $333,977.00 Percent: .64059 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9028.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $421,434.00 Percent: .80834 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8986.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00959 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8914.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $18,483.56 Percent: .03545 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8913.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $500.00 Percent: .00096 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8915.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $75,000.00 Percent: .14385 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9027.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00575 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,753.78 Percent: .03022 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8897.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .0959 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8899.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8892.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $447,613.00 Percent: .85855 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $249,626.86 Percent: .4788 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8820.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $60,000.00 Percent: .11508 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8960.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $162,000.00 Percent: .31073 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8966.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $83,333.34 Percent: .15984 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8967.11/ 000/2540/64/CASX12011R/CASP/20/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $83,333.34 Percent: .15984 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8989.11/ 000/2540/64/CASX12011R/CASP/21/22 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $36,000.00 Percent: .06905 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8905.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $23,409.00 Percent: .0449 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9011.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $900.00 Percent: .00173 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8725.11/ 000/2540/64/CASX12011R/CASP/25/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $52,794.19 Percent: .10126 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through May 22, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 48,652,011.05	$ 8,985,166.91	$ 39,669,844.14

4. Accounting and Appropriation Data:

PR number 4200372063:	(See Funding Data, Pages 1-23)	$2,260,920.90
PR number 4200365094:	(See Funding Data, Pages 1-23)	$984,945.00
PR number 4200372216:	(See Funding Data, Pages 1-23)	$2,891,956.48
PR number 4200371661:	(See Funding Data, Pages 1-23)	$2,665,646.00
PR number 4200372856:	(See Funding Data, Pages 1-23)	$178,698.53

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE 1 OF PAGES 2	
2. AMENDMENT/MODIFICATION NO. 000262	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE SSC NASA/Stennis Space Center Office of Procurement Building 1100 Room 251H Stennis Space Center MS 39529-6000		7. ADMINISTERED BY (If other than Item 6) CODE SSC NASA/Stennis Space Center Office of Procurement Building 1100 Room 251H Stennis Space Center MS 39529-6000	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) JACOBS 600 WILLIAM NORTHERN BLVD TULLAHOMA TN 37388-4729		(x) 9A. AMENDMENT OF SOLICITATION NO.	
		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C	
CODE 07486	FACILITY CODE	10B. DATED (SEE ITEM 13) 07/14/2007	

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)
See Schedule

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Unilateral-Section J-3 Cost and Performance Incentive Fee Plan

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

1. The purpose of this modification is to definitize the incentive fee earned for contract year-3 (8-28-09 through 8-27-10). Pursuant to the provisions of Attachment J-3 (Cost and Performance Incentive Fee Plan) the total Incentive Fee earned for contract year-3 is [redacted] (b)(4)

2. Contract year-3 incentive fee was provisionally billed in the amount of [redacted] (b)(4). The contractor shall submit a separate voucher in the amount of [redacted] (b)(4) for unbilled contract year-3 Incentive Fee in accordance with Section B.8 (Payment of Fees) and Section G.2 (Submission of Voucher for Payment).

3. Page 31 of 1478 is hereby replaced with this revised page 31 of 1478, Modification

Continued ...

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) Beth L. Bradley	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Beth L. Bradley (Signature of Contracting Officer)	16C. DATE SIGNED 2-15-11

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
NNS07AB21C/000262

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	#262, Attachment 1, which provides an update to the Table on page B-31, paragraph (f) of this contract to reflect the incentive fee earned. 4. This contract modification also corrects the values associated with contract year 3 target cost, target cost incentive fee, maximum cost fee, performance incentive fee and reimbursements reflected in modification 228 paragraph B.2.1. The attached Section B, Page 24 of 1478, Attachment 2, corrects this error and provides an updated chart to reflect any other changes to this paragraph since modification 228. 5. Also Incorporated is attachment number 3, Final Contract Value Summary.				

(d) Up to eighty five percent (85%) of the potential total incentive fee may be provisionally paid to the Contractor in periodic installments based upon the quality of performance and/or percentage of work completed as determined by the Contracting Officer. In the event that the earned incentive fee, as determined by the Contracting Officer and the Contracting Officer's Technical Representative, is less than the provisional payments for the period, the Contractor will reimburse the difference by submitting a separate voucher entitled "Incentive Fee Adjustment" for the amount of such overpayment. In the event that the incentive fee earned is more than the provisional payments, the Contractor may bill in one lump sum the difference between the incentive fee earned and the provisional fee payments made during each contract year by submitting a separate fee voucher.

(e) In the event this contract is terminated prior to a regularly scheduled annual measurement period, the incentive to be paid the Contractor may be an appropriate portion of the potential incentive fee, if any, as may be determined by the Contracting Officer and the Contracting Officer's Technical Representative. Any overpayment in provisional incentive fee will be credited on the next cost voucher submitted.

(f) The amounts of cost and performance incentive fees which have been awarded pursuant to the provisions of this clause and the period to which said fee applies are set forth below:

Incentive Fee Period	Performance Incentive Fee Earned	Cost Incentive Fee Earned	Total Incentive Fee Earned
08/28/07 – 08/27/08	[redacted] (b)(4)	[redacted] (b)(4)	[redacted] (b)(4)
08/28/08 – 08/27/09	$ TBD	$ TBD	$ TBD
08/28/09 – 08/27/10	$ TBD	$ TBD	$ TBD
08/28/10 – 08/27/11	$ TBD	$ TBD	$ TBD
08/28/11 – 08/27/12	$ TBD	$ TBD	$ TBD
08/28/12 – 08/27/13	$ TBD	$ TBD	$ TBD
08/28/13 – 08/27/14	$ TBD	$ TBD	$ TBD
08/28/14 – 08/27/15	$ TBD	$ TBD	$ TBD
08/28/15 – 08/27/16	$ TBD	$ TBD	$ TBD
08/28/16 – 08/27/17	$ TBD	$ TBD	$ TBD

(End of Clause)

B.9 SPECIAL COST PROVISIONS

Without otherwise affecting the applicability of the cost principles set forth in FAR Part 31 and pursuant to the terms of the contract clause entitled "Allowable Cost and Payment," the contractor shall be reimbursed for such actual and allowable expenditures incurred in the performance of work required by this contract as may be approved by the Contracting Officer subject to the following limitations and provisions:

B.2.1 ESTIMATED COST AND INCENTIVE FEE (NFS 1852.216-84) (OCT. 1996)

PLEASE SEE SUMMARY TABLE BELOW FOR CONTRACT VALUE CHANGES

BASIC PERIOD (CLIN 2)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/07 – 08/27/08	(b)(4)	(b)(4)					$ 71,799,321
08/28/08 – 08/27/09							$ 84,087,858
08/28/09 – 08/27/10							$ 80,579,787
Total							$ 236,466,966
08/28/09 – 08/27/10	(b)(4)	(b)(4)					$2,394,151
08/28/09 – 08/27/10	(b)(4)						$1,303,122
08/28/09 – 08/27/10	(b)(4)						$ 240,164,239

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

TARGET COST AND INCENTIVE FEE APPLICABLE TO EACH AWARD TERM PERIOD:

AWARD TERM PERIOD 1 (CLIN 3)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive	Reimbursements	Total
08/28/10 – 08/27/11	(b)(4)	(b)(4)					$ 55,476,553
08/28/10 – 08/27/11*	(b)(4)						$286,540
08/28/10 – 08/27/11	(b)(4)						$ 55,763,093

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee – Reimbursements
*CLIN 11 period of performance ends 01/31/2011

JACOBS TECHNOLOGY, INC.
CY3 Runout Reconciliation to Aug 2010 533
28 August 2009 through 27 August 2010

CONTRACT SUMMARY	August 2010 533	CY3 RUNOUT	DELTA BY ELEMENT
Labor Dollars:			
Straight Time			
Overtime - Premiums			
* **Total Labor**			
Fringe			
* **Total Labor and Fringe**			
Overhead			
AOH			
CSSC			
* **Total Overhead**			
* **TOTAL LABOR, FRINGE, OVERHEAD**			
Subcontractor Costs			
Team Subcontractors			
CORE Total Costs			
ELE Total Costs			
SRC Total Costs			
* **Total Team Subcontractors**			
Other Subcontracts/Services (Gov't Directed)			
* **TOTAL SUBCONTRACTS**			
NON LABOR RESOURCES (NLR)			
Construction (Gov't direct)			
GSA Vehicle Lease (Gov't direct)			
Travel			
Training			
Replacement GFP > $5000			
Repair GFP > $5000			
Other Direct Costs			
* **Total Non Labor Resources**			
** **Subtotal - Labor, Fringe, Subcontracts, and NLR**			
General and Administrative Costs			
** **Subtotal - Labor, Fringe, Subcontracts, and NLR plus G&A**			
Materials/Equipment			
Materials and Equipment (Gov't directed)			
Capital Asset Depreciation			
****Subtotal - Materials/ Equipment**			
General and Administrative Costs			
* **Total Materials/Equipment plus G&A**			
** **Total Mat/Equip, Labor, Fringe, Subcontracts, and NLR**			
Incentive Fee			
Provisional Fee			
Cost Incentive Provisional			
Performance Incentive Provisional			
Potential Additional Fee			
Cost Incentive			
Performance Incentive			
Share in cost savings			
Fee Earned (Award Letter)			
Reimbursements			
During the course of CY3 cost analysis, a procurement was found			

(b)(4)

Due to 533 reporting on a NASA fiscal month, 2 weeks of CY2 reported in CY3 533 actual.
Accrual/Reversals reflected in 533 and excluded from CY3 runout.

(b)(4)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF 13 PAGES

2. AMENDMENT/MODIFICATION NO.
000263

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
4200376083

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

This Administrative Modification is a zero dollar adjustment (Zero #65, PR# 4200376083.)
All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Other Administrative Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $344,079,380.00
New Total Amount for this Award: $621,487,500.00
Contracting Officer changed
from Beth L Bradley
to ADRIANNE PEYTON
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
2-10-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 2 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.05/000/2 540/64/CECX62011D/769Z/2/50 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $400,000.00 Percent: .16916 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 8/000/2540/64-956635/EXCX02006D/538A/3/51 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $300,000.00 Percent: .12687 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/4/52 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .01269 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 9/000/2540/64-956635/EXCX02006D/538A/5/53 Cost Center 64RA10 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $6,727.81 Percent: .00285 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.1/ 7/000/2540/64-956635/EXCX02006D/538A/6/54 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $272.19 Percent: .00012 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/7/55 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $112,566.33 Percent: .0476 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/1/49 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,000.00 Percent: .08458 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8674.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8674.11/ 000/2540/64/CASX12011R/CASP/11/12 to 64BA22/6100.2540/FC000000/329527.01.09.8674.11/000 /2540/64/CASX12011R/CASP Amount changed from $5,000.00 to $145.47 Percent changed from .00212 to .00006 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8336.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8336.09/ 000/2540/64/CASX22009R/CASP/6/7 to 64BA22/6100.2540/FC000000/329527.01.09.8336.09/000 /2540/64/CASX22009R/CASP Amount changed from $51,000.00 to $.01 Percent changed from .02619 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8337.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8337.09/ 000/2540/64/CASX22009R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8337.09/000 /2540/64/CASX22009R/CASP Amount changed from $145,000.00 to $.01 Percent changed from .07446 to 0 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.04.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/12/15 to 64RA00/6100.2540/FC000000/736466.06.04.09/000/2540 /64/CASX12011D/361N Amount changed from $600,000.00 to $584,712.00 Percent changed from .25449 to .24727 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/145812.09.01.03/000/2540 /64/CASX32009D/255X Amount changed from $115,000.00 to $110,000.00 Percent changed from .06149 to .04652 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.02.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/5/6 to 64RA00/6100.2540/FC000000/736466.06.02.09/000/2540 /64/CASX12011D/361N Amount changed from $270,000.00 to $70,000.00 Percent changed from .11418 to .0296 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.04.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/6/7 to 64RA00/6100.2540/FC000000/736466.06.04.09/000/2540 /64/CASX12011D/361N Amount changed from $583,445.00 to $198,733.00 Percent changed from .24673 to .08404 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8624.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8624.10/ 000/2540/64/CASX22010R/CASP/3/4 to 64BA22/6100.2540/FC000000/329527.01.09.8624.10/000 /2540/64/CASX22010R/CASP Amount changed from $408.23 to $10.15 Percent changed from .00019 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8648.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8648.10/ 000/2540/64/CASX22010R/CASP/5/6 to 64BA22/6100.2540/FC000000/329527.01.09.8648.10/000 /2540/64/CASX22010R/CASP Amount changed from $150.00 to $.24 Percent changed from .00007 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.03/000/2540 /64/CASX32009D/255X Account code changed from 64RA10/6100.2540/64/FC000000/677932.09.01.03/000/2 540/64/CASX32009D/255X/1/2 to Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64RA10/6100.2540/FC000000/677932.09.01.03/000/2540 /64/CASX32009D/255X Amount changed from $400,000.00 to $395,000.00 Percent changed from .21388 to .16704 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8337.09/000 /2540/64/CASX22009R/CASP Amount changed from $6,000.00 to $.01 Percent changed from .00321 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.01/000/2540 /64/CASX32009D/255X Amount changed from $250,000.00 to $235,000.00 Percent changed from .11665 to .09938 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8620.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,911.99 to $8,483.06 Percent changed from .0051 to .00359 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8639.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8639.10/ 000/2540/64/CASX22010R/CASP/16/17 to 64BA22/6100.2540/FC000000/329527.01.09.8639.10/000 /2540/64/CASX22010R/CASP Amount changed from $16,000.00 to $13,568.89 Percent changed from .00742 to .00574 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8674.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8674.10/ 000/2540/64/CASX22010R/CASP/26/27 to 64BA22/6100.2540/FC000000/329527.01.09.8674.10/000 /2540/64/CASX22010R/CASP Amount changed from $34,000.00 to $30,314.55 Percent changed from .01576 to .01282 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8691.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8691.10/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX22010R/CASP/34/35 to 64BA22/6100.2540/FC000000/329527.01.09.8691.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,000.00 to $224.28 Percent changed from .00093 to .00009 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8691.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8691.10/ 000/2540/64/CASX22010R/CASP/34/36 to 64BA22/6100.2540/FC000000/329527.01.09.8691.10/000 /2540/64/CASX22010R/CASP Amount changed from $8,000.00 to $517.03 Percent changed from .00371 to .00022 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8528.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8528.09/ 000/2540/64/CASX22009R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8528.09/000 /2540/64/CASX22009R/CASP Amount changed from $130,000.00 to $128,823.66 Percent changed from .06676 to .05448 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8515.09/000 /2540/64/CASX22009R/CASP Amount changed from $14,376.32 to $13,162.34 Percent changed from .0061 to .00557 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8680.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8680.10/ 000/2540/64/CASX22010R/CASP/19/20 to 64BA22/6100.2540/FC000000/329527.01.09.8680.10/000 /2540/64/CASX22010R/CASP Amount changed from $500.00 to $239.10 Percent changed from .00023 to .0001 CHANGES FOR ACCOUNTING CODE: 64PA20/6100.2540/FC000000/956635.09.06.03.06.0/1/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $399,351.34 to $257,158.80 Percent changed from .16938 to .10875 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64PA20/6100.2540/FC000000/956635.09.06.03.06.0/1/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64PA20/6100.2540/64/FC000000/956635.09.06.03.06.0/ 1/000/2540/64-956635/EXCX02006D/538A/1/84 to 64PA20/6100.2540/FC000000/956635.09.06.03.06.0/1/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $50,000.00 to $.01 Percent changed from .02772 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8535.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8535.09/ 000/2540/64/CASX22009R/CASP/33/34 to 64BA22/6100.2540/FC000000/329527.01.09.8535.09/000 /2540/64/CASX22009R/CASP Amount changed from $76,858.00 to $72,341.94 Percent changed from .03947 to .03059 CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8679.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8679.10/ 000/2540/64/CASX22010R/CASP/25/26 to 64BA22/6100.2540/FC000000/329527.01.09.8679.10/000 /2540/64/CASX22010R/CASP Amount changed from $500.00 to $93.94 Percent changed from .0009 to .00017 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/269915.09.01.04/000/2540 /64/CECX62010D/769Z Account code changed from 64RA10/6100.2540/64/FC000000/269915.09.01.04/000/2 540/64/CECX62010D/769Z/4/5 to 64RA10/6100.2540/FC000000/269915.09.01.04/000/2540 /64/CECX62010D/769Z Amount changed from $29,051.94 to $22,051.94 Percent changed from .05057 to .03975 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.03.06.0/1/0 00/2540/64-956635/EXCX02006D/538A Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.0/ 1/000/2540/64-956635/EXCX02006D/538A/1/2 to 64RA10/6100.2540/FC000000/956635.09.06.03.06.0/1/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $27,848.17 to $.01 Percent changed from .0502 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.03.06.0/1/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.0/ 1/000/2540/64-956635/EXCX02006D/538A/1/84 to 64RA10/6100.2540/FC000000/956635.09.06.03.06.0/1/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $92,692.08 to $12,732.77 Percent changed from .16711 to .02295 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8627.10/000 /2540/64/CASX22010R/CASP Amount changed from $70,500.00 to $60,189.25 Percent changed from .12271 to .10849 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8639.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8639.10/ 000/2540/64/CASX22010R/CASP/13/14 to 64BA22/6100.2540/FC000000/329527.01.09.8639.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,000.00 to $.01 Percent changed from .01803 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8620.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8620.10/ 000/2540/64/CASX22010R/CASP/27/28 to 64BA22/6100.2540/FC000000/329527.01.09.8620.10/000 /2540/64/CASX22010R/CASP Amount changed from $6,000.00 to $.01 Percent changed from .01068 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8784.10/000 /2540/64/CASX22010R/CASP Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8784.10/ 000/2540/64/CASX22010R/CASP/38/39 to 64BA22/6100.2540/FC000000/329527.01.09.8784.10/000 /2540/64/CASX22010R/CASP Amount changed from $120,500.00 to $.01 Percent changed from .21451 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/241491.50.09.01/000/2540 /64/CECX62010D/672F Amount changed from $221,907.53 to $216,907.53 Percent changed from .39502 to .39099 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/1/90 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $276,775.89 Percent: .49891 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8633.10/000 /2540/64/CASX22010R/CASP Amount changed from $75,381.33 to $71,546.72 Percent changed from .13419 to .12897 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8788.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8788.10/ 000/2540/64/CASX22010R/CASP/26/27 to 64BA22/6100.2540/FC000000/329527.01.09.8788.10/000 /2540/64/CASX22010R/CASP Amount changed from $6,000.00 to $5,082.96 Percent changed from .01096 to .00916 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8674.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8674.10/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX22010R/CASP/36/37 to 64BA22/6100.2540/FC000000/329527.01.09.8674.10/000 /2540/64/CASX22010R/CASP Amount changed from $5,000.00 to $.01 Percent changed from .00913 to 0 CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.03.09/000/2540/64 /EXCX22011D/734A Account code changed from 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/8/9 to 64PA00/6100.2540/FC000000/750271.03.09/000/2540/64 /EXCX22011D/734A Amount changed from $300,000.00 to $225,890.39 Percent changed from .57542 to .43327 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.09.01.09.02.0/3/0 00/2540/64/EXCX22011D/734A Account code changed from 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/1/2 to 64PA00/6100.2540/FC000000/750271.09.01.09.02.0/3/0 00/2540/64/EXCX22011D/734A Amount changed from $100,000.00 to $37,537.92 Percent changed from .19181 to .072 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.01.10.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/7/8 to 64RA00/6100.2540/FC000000/736466.01.10.09/000/2540 /64/CASX12011D/361N Amount changed from $280,232.00 to $80,232.00 Percent changed from .5375 to .15389 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.03.09/000/2540/64 /EXCX22011D/734A Account code changed from 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/2/3 to 64PA00/6100.2540/FC000000/750271.03.09/000/2540/64 /EXCX22011D/734A Amount changed from $100,000.00 to $89,109.61 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .19181 to .17092 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.09.01.09.02.0/3/000/2540/64/EXCX22011D/734A Account code changed from 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/3/000/2540/64/EXCX22011D/734A/5/6 to 64PA00/6100.2540/FC000000/750271.09.01.09.02.0/3/000/2540/64/EXCX22011D/734A Amount changed from $200,000.00 to $186,058.75 Percent changed from .38361 to .35687 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/4/000/2540/64/EXCX22011D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,403.33 Percent: .00269 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/000/2540/64/EXCX22011D/734A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $160,000.00 Percent: .30689 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/668383.04.02.09/000/2540/64/EDUX22011D/833A/3/4 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,288.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .02932 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $184,712.00 Percent: .35429 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF 19 PAGES

2. AMENDMENT/MODIFICATION NO. 000264

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule Net Increase: $3,206,998.15

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

CHECK ONE

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).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

X D. OTHER *(Specify type of modification and authority)*
52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200375911, 4200376046, 4200375348, 4200376477, 4200376479, and 4200376126).

2. See continuation pages 18 and 19.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
Obligated Amount for this Modification: $3,206,998.15
New Total Obligated Amount for this Award: $311,950,347.02
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 2/17/2011

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Incremental Funded Amount changed: from [redacted] (b)(4)				
	CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: $4,839.52 Incremental Funded Amount changed from [redacted] (b)(4)				
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,839.52 Percent: .00205 Subject To Funding: Payment Address:				
	CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $3,202,158.63 Incremental Funded Amount changed from [redacted] (b)(4)				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,000.00 Percent: .02877 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.09.01.09.22/000/2540/64/CASX12011D/361N/3/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $156.00 Percent: .0003 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.02/000/2 540/64/CECX62011D/573Z/9/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,500.00 Percent: .00288 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2 540/64/CECX62011D/573Z/10/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,300.00 Percent: .00633 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62011D/573Z/11/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $701.00 Percent: .00134 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.98.02.09.02.1/ 1/000/2540/64/ESAX02007D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $726,664.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: 1.39379 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.05.15.05.0/ 9.01/000/2540/64/EXPX22010D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,826.00 Percent: .02844 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $169,000.00 Percent: .32415 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $250,000.00 Percent: .47952 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $162,502.48 Percent: .31169 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.24/000/2540/64/EXPX22011D/234A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,188.06 Percent: .00228 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $56,404.73 Percent: .10819 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $65,707.99 Percent: .12603 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.28/000/2540/64/EXPX22011D/234A/9/10 Cost Center 64PA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,440.48 Percent: .02962 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.62/000/2540/64/EXPX22011D/234A/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03836 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.95/000/2540/64/EXPX22011D/234A/11/12 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,452.72 Percent: .00662 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.99/000/2540/64/EXPX22011D/234A/12/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $31,500.00 Percent: .06042 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8716.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $147,821.87 Percent: .28353 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8891.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,000.00 Percent: .02877 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8926.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19181 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8892.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $155,000.00 Percent: .2973 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8911.11/ 000/2540/64/CASX12011R/CASP/1/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,225.52 Percent: .00235 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8897.11/ 000/2540/64/CASX12011R/CASP/6/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $31,800.00 Percent: .06099 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8896.11/ 000/2540/64/CASX12011R/CASP/7/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $60,000.00 Percent: .11508 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8905.11/ 000/2540/64/CASX12011R/CASP/8/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $42,591.00 Percent: .08169 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/9/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9006.11/ 000/2540/64/CASX12011R/CASP/10/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,000.00 Percent: .01534 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9023.11/ 000/2540/64/CASX12011R/CASP/11/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8725.11/ 000/2540/64/CASX12011R/CASP/12/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $51,481.02 Percent: .09874 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9018.11/ 000/2540/64/CASX12011R/CASP/13/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9000.11/ 000/2540/64/CASX12011R/CASP/14/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,303.01 Percent: .02552 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/15/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $175,569.83 Percent: .33675 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9020.11/ 000/2540/64/CASX12011R/CASP/16/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $5,000.00 Percent: .00959 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8994.11/ 000/2540/64/CASX12011R/CASP/17/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200.00 Percent: .00038 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8945.11/ 000/2540/64/CASX12011R/CASP/19/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00959 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8823.11/ 000/2540/64/CASX12011R/CASP/20/22 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $60,000.00 Percent: .11508 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8831.11/ 000/2540/64/CASX12011R/CASP/21/23 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $19,525.25 Percent: .03745 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8938.11/ 000/2540/64/CASX12011R/CASP/22/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,000.00 Percent: .01343 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8990.11/ 000/2540/64/CASX12011R/CASP/23/25 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,200.00 Percent: .02915 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8947.11/ 000/2540/64/CASX12011R/CASP/24/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,900.00 Percent: .00364 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8946.11/ 000/2540/64/CASX12011R/CASP/25/27 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,500.00 Percent: .00288 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8933.11/ 000/2540/64/CASX12011R/CASP/26/28 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,100.00 Percent: .00403 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8932.11/ 000/2540/64/CASX12011R/CASP/27/29 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,305.81 Percent: .00826 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8913.11/ 000/2540/64/CASX12011R/CASP/28/30 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,884.00 Percent: .01129 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/000/2540/64/CASX12011R/CASP/29/31 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $169,246.00 Percent: .32462 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/7/000/2540/64-956635/EXCX02006D/538A/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $115,288.00 Percent: .22113 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/9/000/2540/64-956635/EXCX02006D/538A/2/3 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $43,272.19 Percent: .083 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/0/000/2540/64-956635/EXCX02006D/538A/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19181 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.1/ 7/000/2540/64-956635/EXCX02006D/538A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $152.81 Percent: .00029 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.01/000/2 540/64/CECX62010D/769Z/11/12 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $23,544.86 Percent: .04516 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/536136.09.01.02/000/2 540/64/CECX62011D/573Z/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,100.00 Percent: .02513 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.09.01.09.22/000/2540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4.00 Percent: .00001 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $19,000.00 Percent: .03644 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/000/2540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,000.00 Percent: .38361 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,800.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00729 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.06.09.01/00 0/2540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,000.00 Percent: .01534 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted] (b)(4)		
Provisional Incentive Fee			
Cost	[redacted] (b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through June 5, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted] (b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31 , 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 39,669,844.14	$ 3,206,998.15	$ 36,462,845.99

4. Accounting and Appropriation Data:

PR number 4200375911:	(See Funding Data, Pages 1-17)	$1,128,653.31
PR number 4200376046:	(See Funding Data, Pages 1-17)	$ 790,022.46
PR number 4200375348:	(See Funding Data, Pages 1-17)	$ 726,664.00
PR number 4200376477:	(See Funding Data, Pages 1-17)	$ 274,561.00
PR number 4200376479:	(See Funding Data, Pages 1-17)	$ 282,257.86
PR number 4200376126:	(See Funding Data, Pages 1-17)	$ 4,839.52

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 000265

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. 4200378077

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

This is Administrative Modification is a zero dollar adjustment (Zero #72, PR #4200378077).
All other terms & conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Other Administrative Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $236,466,966.00
New Total Amount for this Award: $621,487,500.00
CHANGES FOR LINE ITEM NUMBER: 2

NEW ACCOUNTING CODE ADDED:
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 3/3/2011

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64RA10/6100.2540/64/FC000000/269915.09.01.08/000/2540/64/CECX62011D/769Z/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $189,285.00 Percent: .08005 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.04/000/2540/64/CASX32009D/255X Amount changed from $342,355.00 to $153,070.00 Percent changed from .14521 to .06473 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE OF PAGES	1 / 4
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000266	See Block 16C	See Schedule	

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule Net Increase: $17,475.22

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

CHECK ONE

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).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER *(Specify type of modification and authority)*

X 52.232-22 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

1. The purpose of the modification is to correct a system error that occurred within modification # 249. Modification # 249 was to de-obligate $4,458,499.98 but due to a system error, only $4,441,024.76 was actually de-obligated. This transaction will increase PR420023511 Item 6 by $17,475.22.

2. See explaintion below from the NASA Enterprise Applications Competency Center(NEACC):

* On Nov 17 2010, a de-obligation action was performed against SAP Funding Order 4600000248 Item 7 (PRISM Contract NNS07AB21C CLIN 2 Acct item 632) that changed the obligation amount from $150,000 to $120,787.07, though there was already $138,262.29 costed for this item.

Continued ...

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)*	
		ADRIANNE PEYTON	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	16C. DATE SIGNED 3/11/11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	* This de-obligation was fully reflected on the Funding Order in the Services tab for this item in the MM module. The system only de-obligated funds down to the costed amount in the Funds Management module since $17,475.22 of the $29,212.93 de-obligation transaction was already costed. In order to correct this, SSC should perform a Mod into PRISM to Contract NNS07AB21C CLIN 2 Acct item 632 to increase the obligation amount from $120,787.07 to $138,262.29, which would make the obs equal cost for this item and resolve the issue encountered in the CCR worksheet as well. The increased obs of $17,475.22 should not pull additional funds from budget. 3. See continuation pages 3 and 4. 4. All other terms and conditions remain the same. LIST OF CHANGES: Obligated Amount for this Modification: $17,475.22 New Total Obligated Amount for this Award: $311,967,822.24 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: $17,475.22 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64PA20/6100.2540/FC000000/956635.09.06.07.05.1/4/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $120,787.07 to $138,262.29 Percent changed from .05123 to .05847 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	**PREVIOUS**	**MODIFICATION**	**NEW**
Target Cost	[redacted]	(b)(4)	[redacted]
Provisional Incentive Fee	[redacted]	[redacted]	[redacted]
Cost	[redacted]	(b)(4)	[redacted]
Performance	[redacted]	[redacted]	[redacted]
Total Fee	[redacted]	[redacted]	[redacted]
Total Sum Allotted	[redacted]	[redacted]	[redacted]

1a. The funding increment is estimated to cover performance through June 5, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	**PREVIOUS**	**MODIFICATION**	**NEW**
Target Cost	[redacted]	(b)(4)	[redacted]
Provisional Incentive Fee	[redacted]	[redacted]	[redacted]
Cost	[redacted]	(b)(4)	[redacted]
Performance	[redacted]	[redacted]	[redacted]
Earned Incentive Fee	[redacted]	[redacted]	[redacted]
Total Fee	[redacted]	[redacted]	[redacted]
Total Sum Allotted	[redacted]	[redacted]	[redacted]

2a. The funding is to cover performance through January 31 , 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost		(b)(4)	
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 36,462,845.99	$ 17,475.22	$ 36,445,370.77

4. Accounting and Appropriation Data:

PR 420023511: (See Funding Data explaining system error, Pages 1-2) $17,475.22

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF 10 PAGES

2. AMENDMENT/MODIFICATION NO.
000267

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

This administrative modification is a zero dollar adjustment (Zero #83, PR #4200379926).
All other terms & conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Other Administrative Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $344,079,380.00
New Total Amount for this Award: $621,487,500.00
CHANGES FOR LINE ITEM NUMBER: 2

CHANGES FOR ACCOUNTING CODE:
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
3-16-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.21/000/2540/64/EXPX22011D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.21/000/2540/64/EXPX22011D/234A/15/16 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.21/000/2540/64/EXPX22011D/234A Amount changed from $10,000.00 to $3,900.00 Percent changed from .00424 to .00165 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/806866.02.09.8231.01/000/2540/64/EXCX22008R/SOMD Account code changed from 64PA00/6100.2540/64/FC000000/806866.02.09.8231.01/000/2540/64/EXCX22008R/SOMD/1/2 to 64PA00/6100.2540/FC000000/806866.02.09.8231.01/000/2540/64/EXCX22008R/SOMD Amount changed from $13,869.40 to $4,545.87 Percent changed from .00742 to .00192 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.09.09/000/2540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2540/64/CASX12011D/361N/8/9 to 64RA00/6100.2540/FC000000/736466.06.09.09/000/2540/64/CASX12011D/361N Amount changed from $27,100.00 to $13,604.33 Percent changed from .01149 to .00575 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2540/64/CECX62011D/573Z/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,168.72 Percent: .00049 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/536136.09.01.02/000/2540/64/CECX62011D/573Z/2/3 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $315.00 Percent: .00013 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/215952.07.01.09.02/00 0/2540/64/EXPX22011D/029N/3/4 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $209.07 Percent: .00009 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.62/000/2540/64/EXPX22011D/234A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $33,561.99 Percent: .01419 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.64/000/2540/64/EXPX22011D/234A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,444.71 Percent: .0023 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.99/000/2540/64/EXPX22011D/234A/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $46,041.79 Percent: .01947 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/998368.02.09.06.11/00 0/2540/64/CECX62011D/766P/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $155,671.63 Percent: .06583 Subject To Funding: Payment Address:				
	CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/756808.04.09/000/2540/64 /CASX22010D/618I Amount changed from $2,038.47 to $1,829.40 Percent changed from .00086 to .00077				
	CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.06/000/2540 /64/CECX62010D/573Z Amount changed from $4,731.87 to $3,974.50 Percent changed from .00201 to .00168				
	CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.01.03.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.01.03.09/000/2 540/64/CASX12011D/361N/1/2 to 64RA00/6100.2540/FC000000/736466.01.03.09/000/2540 /64/CASX12011D/361N Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $1,483.00 to $1,168.00 Percent changed from .00063 to .00049 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.05.01.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/9/10 to 64RA00/6100.2540/FC000000/736466.05.01.09/000/2540 /64/CASX12011D/361N Amount changed from $68,033.00 to $33.00 Percent changed from .02886 to .00001 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.06.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.06.09/000/2 540/64/CASX12011D/361N/11/12 to 64RA00/6100.2540/FC000000/736466.06.06.09/000/2540 /64/CASX12011D/361N Amount changed from $150,000.00 to $33,787.73 Percent changed from .06362 to .01429 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.07.04.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.07.04.09/000/2 540/64/CASX12011D/361N/15/16 to 64RA00/6100.2540/FC000000/736466.07.04.09/000/2540 /64/CASX12011D/361N Amount changed from $38,063.00 to $20,063.00 Percent changed from .01614 to .00848 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.07.10.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.07.10.09/000/2 540/64/CASX12011D/361N/17/18 to 64RA00/6100.2540/FC000000/736466.07.10.09/000/2540 /64/CASX12011D/361N Amount changed from $10,252.00 to $252.00 Percent changed from .00435 to .00011 CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR ACCOUNTING CODE: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.65/000/2540/64/EXPX22010D/234A Amount changed from $188,818.07 to $41,988.55 Percent changed from .33193 to .07569 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.65/000/2540/64/EXPX22010D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.65/000/2540/64/EXPX22010D/234A/1/2 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.65/000/2540/64/EXPX22010D/234A Amount changed from $524,999.99 to $171,829.51 Percent changed from .93457 to .30973 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.06.09/000/2540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.06.09/000/2540/64/CASX12011D/361N/3/45 to 64RA00/6100.2540/FC000000/736466.06.06.09/000/2540/64/CASX12011D/361N Amount changed from $2,000.00 to $212.27 Percent changed from .00356 to .00038 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.63/000/2540/64/EXPX22011D/234A/2/44 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,295.56 Percent: .02397 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.95/000/2540/64/EXPX22011D/234A/3/45 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,655.95 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00298 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.24/000/2540/64/EXPX22011D/234A/4/46 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,552.34 Percent: .01001 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/5/47 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $119,347.66 Percent: .21513 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8587.11/ 000/2540/64/CASX12011R/CASP/6/48 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,949.45 Percent: .01433 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/8/50 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,374.08 Percent: .00248 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/9/51 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $108,695.67 Percent: .19593 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/998368.02.09.06.11/00 0/2540/64/CECX62011D/766P/1/43 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $244,328.37 Percent: .44042 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.01/000/2540 /64/CECX62010D/573Z Amount changed from $1,504.00 to $1,092.65 Percent changed from .00268 to .00197 CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.2 3/000/2540/64/EXPX22011D/234A Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.23/000/2540/64/EXPX22011D/234A/9/10 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.23/000/2540/64/EXPX22011D/234A Amount changed from $57,000.00 to $41,300.00 Percent changed from .10933 to .07922 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.51/000/2540/64/EXPX22011D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.51/000/2540/64/EXPX22011D/234A/14/15 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.51/000/2540/64/EXPX22011D/234A Amount changed from $170,000.00 to $82,000.00 Percent changed from .32607 to .15728 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.53/000/2540/64/EXPX22011D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.53/000/2540/64/EXPX22011D/234A/15/16 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.53/000/2540/64/EXPX22011D/234A Amount changed from $70,000.00 to $54,900.00 Percent changed from .13426 to .1053 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2540/64/CASX12011D/361N/1/84 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $272,690.33 Percent: .52304 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.03.09/000/2540/64/CASX12011D/361N/2/85 Cost Center 64RA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $2,614.00 Percent: .00501 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.03.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/12/13 to 64RA00/6100.2540/FC000000/736466.06.03.09/000/2540 /64/CASX12011D/361N Amount changed from $256,962.00 to $156,962.00 Percent changed from .49287 to .30106 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.09.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/14/15 to 64RA00/6100.2540/FC000000/736466.06.09.09/000/2540 /64/CASX12011D/361N Amount changed from $174,943.00 to $150,438.67 Percent changed from .33555 to .28855 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.07.06.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 540/64/CASX12011D/361N/16/17 to 64RA00/6100.2540/FC000000/736466.07.06.09/000/2540 /64/CASX12011D/361N Amount changed from $69,749.00 to $37,749.00 Percent changed from .13378 to .07241 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE OF PAGES	1 / 15
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
000268	See Block 16C	See Schedule	

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY (If other than Item 6) CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED (SEE ITEM 13) 07/14/2007

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)
See Schedule Net Decrease: -$399.55

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.232-22 Limitation of Funds (Apr 1984)

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

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

LIST OF CHANGES:

1. This modification includes a zero dollar adjustment (Zero #85, PR #42003579952) and deob document (#86). See continuation pages 14 and 15.

2. All other terms and conditions remain the same.

Reason for Modification : Other Administrative Action
Obligated Amount for this Modification: -$399.55
New Total Obligated Amount for this Award: $311,967,422.69
Incremental Funded Amount changed: from
Continued ...

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)
FRANK COSTANZA - Deputy Gen. Mgr / VP	Gerald Norris
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 3/17/2011
16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED 3-17-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	(b)(4)				
	CHANGES FOR LINE ITEM NUMBER: 2 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8707.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8707.10/ 000/2540/64/CASX22010R/CASP/9/10 to 64BA22/6100.2540/FC000000/329527.01.09.8707.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,600.00 to $215.89 Percent changed from .00068 to .00009 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8652.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8652.10/ 000/2540/64/CASX22010R/CASP/10/11 to 64BA22/6100.2540/FC000000/329527.01.09.8652.10/000 /2540/64/CASX22010R/CASP Amount changed from $28,000.00 to $6,658.23 Percent changed from .01188 to .00282 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8682.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8682.10/ 000/2540/64/CASX22010R/CASP/28/29 to 64BA22/6100.2540/FC000000/329527.01.09.8682.10/000 /2540/64/CASX22010R/CASP Amount changed from $600.00 to $232.61 Percent changed from .00028 to .0001 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8683.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8683.10/ 000/2540/64/CASX22010R/CASP/29/30 to 64BA22/6100.2540/FC000000/329527.01.09.8683.10/000 /2540/64/CASX22010R/CASP Amount changed from $6,000.00 to $4,846.92 Percent changed from .00278 to .00205 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.8043.01/000 /2540/64/EXCX22008R/SOMD Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.8043.01/ 000/2540/64/EXCX22008R/SOMD/4/5 to 64BA22/6100.2540/FC000000/892182.01.09.8043.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $10,900.00 to $8,625.08 Percent changed from .00583 to .00365 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.8271.01/000 /2540/64/EXCX22008R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.8271.01/ 000/2540/64/EXCX22008R/SOMD/30/31 to 64BA22/6100.2540/FC000000/892182.01.09.8271.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $20,000.00 to $18,348.46 Percent changed from .01069 to .00776 CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/892182.01.09.8043.01/000 /2540/64/EXCX22008R/SOMD Account code changed from 64BA00/6100.2540/64/FC000000/892182.01.09.8043.01/ 000/2540/64/EXCX22008R/SOMD/1/2 to 64BA00/6100.2540/FC000000/892182.01.09.8043.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $300.00 to $.01 Percent changed from .00015 to 0 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/806866.02.09.8231.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $4,545.87 to $4,467.54 Percent changed from .00192 to .00189 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8668.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8668.10/ 000/2540/64/CASX22010R/CASP/3/4 to 64BA22/6100.2540/FC000000/329527.01.09.8668.10/000 /2540/64/CASX22010R/CASP Amount changed from $19,809.30 to $14,072.65 Percent changed from .00918 to .00595 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/1/49 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $200,000.00 to $165,000.00 Percent changed from .08458 to .06978 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8682.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8682.10/ 000/2540/64/CASX22010R/CASP/3/4 to 64BA22/6100.2540/FC000000/329527.01.09.8682.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,800.00 to $.01 Percent changed from .00083 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9042.11/ 000/2540/64/CASX12011R/CASP/1/84 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $45,253.54 Percent: .01914 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9036.11/ 000/2540/64/CASX12011R/CASP/2/85 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $70,000.00 Percent: .0296 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9040.11/ Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/3/86 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,224.93 Percent: .00136 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9038.11/ 000/2540/64/CASX12011R/CASP/4/87 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,162.66 Percent: .00134 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/5/88 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $78.33 Percent: .00003 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8565.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8565.09/ 000/2540/64/CASX22009R/CASP/20/21 to 64BA22/6100.2540/FC000000/329527.01.09.8565.09/000 /2540/64/CASX22009R/CASP Amount changed from $25,000.00 to $23,353.12 Percent changed from .01284 to .00988 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8545.09/000 /2540/64/CASX22009R/CASP Amount changed from $19,175.00 to $5,453.08 Percent changed from .00813 to .00231 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8668.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8668.10/ 000/2540/64/CASX22010R/CASP/10/11 to 64BA22/6100.2540/FC000000/329527.01.09.8668.10/000 /2540/64/CASX22010R/CASP Amount changed from $5,000.00 to $.01 Percent changed from .00233 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8681.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8681.10/ 000/2540/64/CASX22010R/CASP/13/14 to 64BA22/6100.2540/FC000000/329527.01.09.8681.10/000 /2540/64/CASX22010R/CASP Amount changed from $8,268.48 to $398.86 Percent changed from .00385 to .00017 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8809.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8809.10/ 000/2540/64/CASX22010R/CASP/23/24 to 64BA22/6100.2540/FC000000/329527.01.09.8809.10/000 /2540/64/CASX22010R/CASP Amount changed from $6,140.74 to $5,280.85 Percent changed from .00286 to .00223 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8642.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8642.10/ 000/2540/64/CASX22010R/CASP/31/36 to 64BA22/6100.2540/FC000000/329527.01.09.8642.10/000 /2540/64/CASX22010R/CASP Amount changed from $37,500.00 to $16,806.51 Percent changed from .01738 to .00711 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/329527.01.09.8646.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA00/6100.2540/64/FC000000/329527.01.09.8646.10/ 000/2540/64/CASX22010R/CASP/9/10 to 64BA00/6100.2540/FC000000/329527.01.09.8646.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,000.00 to $1,160.10 Percent changed from .00093 to .00049 CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: -$399.55 Incremental Funded Amount [redacted] from (b)(4) CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.04/000/2540 /64/CASX32009D/255X Account code changed from 64RA10/6100.2540/64/FC000000/677932.09.01.04/000/2 540/64/CASX32009D/255X/22/24 to 64RA10/6100.2540/FC000000/677932.09.01.04/000/2540 /64/CASX32009D/255X Amount changed from $331,879.01 to $142,594.01 Percent changed from .58498 to .25703 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8659.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8659.10/ 000/2540/64/CASX22010R/CASP/20/21 to 64BA22/6100.2540/FC000000/329527.01.09.8659.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,856.75 to $3,251.03 Percent changed from .00695 to .00586 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8642.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8642.10/ 000/2540/64/CASX22010R/CASP/12/13 to 64BA22/6100.2540/FC000000/329527.01.09.8642.10/000 /2540/64/CASX22010R/CASP Amount changed from $26,410.07 to $1,000.44 Percent changed from .04701 to .0018 CHANGES FOR ACCOUNTING CODE: Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/FC000000/329527.01.09.8681.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8681.10/ 000/2540/64/CASX22010R/CASP/16/17 to 64BA22/6100.2540/FC000000/329527.01.09.8681.10/000 /2540/64/CASX22010R/CASP Amount changed from $12,000.00 to $.01 Percent changed from .02136 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8641.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8641.10/ 000/2540/64/CASX22010R/CASP/29/30 to 64BA22/6100.2540/FC000000/329527.01.09.8641.10/000 /2540/64/CASX22010R/CASP Amount changed from $20,000.00 to $.01 Percent changed from .0356 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8668.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8668.10/ 000/2540/64/CASX22010R/CASP/22/23 to 64BA22/6100.2540/FC000000/329527.01.09.8668.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,190.70 to $.01 Percent changed from .01837 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8712.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8712.10/ 000/2540/64/CASX22010R/CASP/25/26 to 64BA22/6100.2540/FC000000/329527.01.09.8712.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,000.00 to $1,904.11 Percent changed from .00541 to .00343 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8712.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8712.10/ 000/2540/64/CASX22010R/CASP/32/33 to 64BA22/6100.2540/FC000000/329527.01.09.8712.10/000 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/2540/64/CASX22010R/CASP Amount changed from $775.00 to $.01 Percent changed from .00138 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8785.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8785.10/ 000/2540/64/CASX22010R/CASP/25/26 to 64BA22/6100.2540/FC000000/329527.01.09.8785.10/000 /2540/64/CASX22010R/CASP Amount changed from $4,700.00 to $4,285.32 Percent changed from .00859 to .00772 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8984.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8984.11/ 000/2540/64/CASX12011R/CASP/27/28 to 64BA22/6100.2540/FC000000/329527.01.09.8984.11/000 /2540/64/CASX12011R/CASP Amount changed from $4,882.00 to $.01 Percent changed from .00869 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/269915.09.01.08/000/2 540/64/CECX62011D/769Z/1/43 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $189,285.00 Percent: .3412 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/2/44 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $35,000.00 Percent: .06309 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8918.11/ 000/2540/64/CASX12011R/CASP/3/45 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01803 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8915.11/ 000/2540/64/CASX12011R/CASP/4/46 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $35,000.00 Percent: .06309 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9042.11/ 000/2540/64/CASX12011R/CASP/5/47 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $44,746.46 Percent: .08066 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8617.10/000 /2540/64/CASX22010R/CASP Account code changed from Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.8617.10/000/2540/64/CASX22010R/CASP/1/2 to 64BA22/6100.2540/FC000000/329527.01.09.8617.10/000/2540/64/CASX22010R/CASP Amount changed from $41,179.92 to $6,938.41 Percent changed from .07513 to .01251 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.03.09.09/000/2540/64/EXCX22010D/734A Account code changed from 64PA00/6100.2540/64/FC000000/750271.03.09.09/000/2540/64/EXCX22010D/734A/3/4 to 64PA00/6100.2540/FC000000/750271.03.09.09/000/2540/64/EXCX22010D/734A Amount changed from $10,713.11 to $10,313.56 Percent changed from .01921 to .01859 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8810.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8810.10/000/2540/64/CASX22010R/CASP/18/19 to 64BA22/6100.2540/FC000000/329527.01.09.8810.10/000/2540/64/CASX22010R/CASP Amount changed from $10,000.00 to $9,922.33 Percent changed from .01793 to .01789 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8688.10/000/2540/64/CASX22010R/CASP Amount changed from $54,300.00 to $54,253.92 Percent changed from .0992 to .0978 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8641.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8641.10/000/2540/64/CASX22010R/CASP/23/24 to 64BA22/6100.2540/FC000000/329527.01.09.8641.10/000/2540/64/CASX22010R/CASP Amount changed from $30,000.00 to $14,992.37 Percent changed from .05379 to .02702 CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/921179.01.09.8799.11/000 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/2540/64/CASX12011R/CASP Account code changed from 64PA00/6100.2540/64/FC000000/921179.01.09.8799.11/ 000/2540/64/CASX12011R/CASP/10/11 to 64PA00/6100.2540/FC000000/921179.01.09.8799.11/000 /2540/64/CASX12011R/CASP Amount changed from $1,089.00 to $1,017.81 Percent changed from .00209 to .00195 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.05/000/2540 /64/CECX62011D/573Z Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62011D/573Z/18/19 to 64RA00/6100.2540/FC000000/821001.09.01.05/000/2540 /64/CECX62011D/573Z Amount changed from $4,246.00 to $3,077.28 Percent changed from .00814 to .0059 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62010D/573Z/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,168.72 Percent: .00224 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $71.19 Percent: .00014 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows: (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	(b)(4)	(b)(4)
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through June 5, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows: Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	(b)(4)	(b)(4)
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31 , 2011.

Non ARRA + ARRA Funding Summary (08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	(b)(4)	(b)(4)
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 36,445,370.77	$ -399.55	$ 36,445,770.32

4. Accounting and Appropriation Data:

Deob document #86:	(See Funding Data, Pages 1-13)	-$399.55
Deob document #85:	(See Funding Data, Pages 1-13)	-$436,990.83
PR # 4200379952	(See Funding Data, Pages 1-13)	$436,990.83

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES 1 25

2. AMENDMENT/MODIFICATION NO. 000269

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. (If applicable)

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY (If other than Item 6) CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED (SEE ITEM 13) 07/14/2007

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)
See Schedule Net Increase: $8,398,320.03

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.232-22 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200381398, 4200381193, 4200380899, 4200381264, 4200377459, 4200381008, 4200378068)

2. See continuation pages 24 and 25.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $107,612,414.00
Continued ...

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)

15B. CONTRACTOR/OFFEROR

(Signature of person authorized to sign)

15C. DATE SIGNED

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
ADRIANNE PEYTON

16B. UNITED STATES OF AMERICA

(Signature of Contracting Officer)

16C. DATE SIGNED 3/24/11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Amount for this Award: $621,487,500.00 Obligated Amount for this Modification: $8,398,320.03 New Total Obligated Amount for this Award: $320,365,742.72 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $8,398,320.03 Incremental Funded Amount changed from [redacted] (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.98.02.09.02.1/ 1/000/2540/64/EXPX02009D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $528,448.60 Percent: 1.0136 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.03.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $778.00 Percent: .00149 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $76,737.00 Percent: .14719 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $342,468.00 Percent: .65688 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $75,181.00 Percent: .1442 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $98,520.00 Percent: .18897 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $49,762.00 Percent: .09545 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $64,350.00 Percent: .12343 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $359,605.00 Percent: .68975 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.06.09.01/000/2540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $62,930.00 Percent: .1207 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $68,180.00 Percent: .13077 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $18,689.00 Percent: .03585 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.02/000/2540/64/CECX62011D/573Z/12/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,361.00 Percent: .02371 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2540/64/CECX62011D/573Z/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,695.00 Percent: .02627 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2540/64/CECX62011D/573Z/14/15 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,129.00 Percent: .01559 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.10.02.09/000/2540/64/CASX12011D/361N/15/16 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $19,666.00 Percent: .03772 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2540/64/CASX12011D/361N/16/17 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,343.00 Percent: .01792 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.04.09.76/000/2540/64/EXCX22011D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $48,000.00 Percent: .09207 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.9038.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $837.34 Percent: .00161 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9025.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,737.68 Percent: .01292 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8790.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8891.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05754 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8924.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00959 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8913.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,696.08 Percent: .00901 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8813.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $41.49 Percent: .00008 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8725.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,056.60 Percent: .00394 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9018.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8854.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $86,000.00 Percent: .16495 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9000.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,424.08 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00657 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8860.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9043.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,000.00 Percent: .01151 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8905.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,400.00 Percent: .03913 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8897.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $20,000.00 Percent: .03836 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8896.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05754 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8890.11/ 000/2540/64/CASX12011R/CASP/20/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01918 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9040.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $527.07 Percent: .00101 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8736.11/ 000/2540/64/CASX12011R/CASP/21/22 Cost Center 64BA22 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,903.61 Percent: .00557 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8914.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,000.00 Percent: .03261 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $375,785.77 Percent: .72078 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.07/000/2 540/64/WCNX04546R/664A/1/2 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,860.00 Percent: .09755 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/869021.05.09.03.14/00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	0/2540/64/CASX12011D/512F/2/3 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00575 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.02/000/2 540/64/WCNX04546R/664A/3/4 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $159,370.00 Percent: .30568 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.03/000/2 540/64/WCNX04546R/664A/4/5 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,308.00 Percent: .00443 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.04/000/2 540/64/WCNX04546R/664A/5/6 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $745.00 Percent: .00143 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.06/000/2 540/64/WCNX04546R/664A/6/7 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $990.00 Percent: .0019 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.07/000/2 540/64/WCNX04546R/664A/1/8 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,606.00 Percent: .00692 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.99/000/2 540/64/WCNX04546R/664A/7/9 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,000,000.00 Percent: 1.91807 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/269915.09.01.08/000/2 540/64/CECX62011D/769Z/8/10 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,430.00 Percent: .01042 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/269915.09.01.09/000/2540/64/CECX62011D/769Z/9/11 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $404,000.00 Percent: .7749 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/269915.09.01.10/000/2540/64/CECX62011D/769Z/10/12 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $264,000.00 Percent: .50637 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/097596.09.01.01/000/2540/64/CECX62011D/769Z/11/13 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $19,815.99 Percent: .03801 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/869021.01.09.01.03/000/2540/64/CASX12011D/512F/12/14 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,166.69 Percent: .00416 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/956635.09.06.03.06.0/ 8/000/2540/64-956635/EXCX02006D/538A/13/15 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,022.80 Percent: .01347 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/956635.09.06.03.06.1/ 7/000/2540/64-956635/EXCX02006D/538A/14/16 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,047.97 Percent: .00201 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/956635.09.06.07.05.0/ 6/000/2540/64-956635/EXCX02006D/538A/15/17 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03836 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/956635.09.06.07.05.0/ 7/000/2540/64-956635/EXCX02006D/538A/16/18 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $54,746.09 Percent: .10501 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/347605.02.11/000/2540 /64/EDUX22011D/833A/19/21 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04795 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/215952.07.01.09.02/00 0/2540/64/EXPX22011D/029N/20/22 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,790.93 Percent: .01494 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22010D/734A/21/23 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $399.55 Percent: .00077 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.9016.11/ 000/2540/64/CASX12011R/CASP/22/24 Cost Center 64PA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $2,338.14 Percent: .00448 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/23/25 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,953.47 Percent: .04019 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8803.11/ 000/2540/64/CASX12011R/CASP/24/26 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,988.48 Percent: .04026 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/25/27 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $209.27 Percent: .0004 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.04/000/2 540/64/CASX32009D/255X/26/28 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $148,285.00 Percent: .28442 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $74,797.52 Percent: .14347 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,660.86 Percent: .01469 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $138,586.37 Percent: .26582 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.28/000/2540/64/EXPX22011D/234A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $81,757.48 Percent: .15682 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.55/000/2540/64/EXPX22011D/234A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $41,794.48 Percent: .08016 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $138,456.15 Percent: .26557 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.58/000/2540/64/EXPX22011D/234A/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $31,500.00 Percent: .06042 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $140,000.00 Percent: .26853 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $190,000.00 Percent: .36443 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/417230.08.01.01.02/00 0/2540/64/EXCX22011D/538A/11/12 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03836 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 6/000/2540/64/EXCX22011D/734A/12/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $24,081.14 Percent: .04619 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 4/000/2540/64/EXCX22011D/734A/13/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,032.42 Percent: .0039 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/14/15 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $270,000.00 Percent: .51788 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/15/16 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $310,000.00 Percent: .5946 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/16/17 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $460,000.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .88231 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8751.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00384 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/998368.02.09.06.11/00 0/2540/64/CECX62011D/766P/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,722,327.91 Percent: 3.30354 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]	[redacted]	[redacted]
Provisional Incentive Fee	[redacted]	[redacted]	[redacted]
Cost	[redacted]	[redacted]	[redacted]
Performance	[redacted]	[redacted]	[redacted]
Total Fee	[redacted]	[redacted]	[redacted]
Total Sum Allotted	[redacted]	[redacted]	[redacted]

(b)(4)

(b)(4)

1a. The funding increment is estimated to cover performance through July 11, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]	[redacted]	[redacted]
Provisional Incentive Fee	[redacted]	[redacted]	[redacted]
Cost	[redacted]	[redacted]	[redacted]
Performance	[redacted]	[redacted]	[redacted]
Earned Incentive Fee	[redacted]	[redacted]	[redacted]
Total Fee	[redacted]	[redacted]	[redacted]
Total Sum Allotted	[redacted]	[redacted]	[redacted]

(b)(4)

(b)(4)

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

(b)(4)

(b)(4)

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 36,445,770.32	**$8,398,320.03**	**$ 28,047,450.29**

4. Accounting and Appropriation Data:

PR #	Amount
4200381398	$1,280,394.00
4200381193	$48,000.00
4200380899	$661,409.72
4200381264	$2,225,073.38
4200377459	$528,448.60
4200381008	$1,932,666.42
4200378068	$1,722,327.91

See Funding Data, Pages 1-23

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE OF PAGES	1 / 4
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000270	See Block 16C	4200382663	

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: 52.243-2 Changes-Cost Reimbursement (Aug 1987)
	D. OTHER *(Specify type of modification and authority)*

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

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

LIST OF CHANGES:

The purpose of this modification is to decrease contract value associated with the de-scope of the Fluid Component Processing Facility and increase contract value associated with changed scope for the buffer zone assessment. This modification also revises several areas in the contract and the Performance Work Statement (PWS) which are identified below. This modification also incorporates a zero dollar adjustment to contract obligations.

1. Annex 1, page 101 of 1478 is hereby modified to reflect the changes to the PWS. Annex 3, pages 219, 227, 229, 239-241 and page 252 of 1478 are hereby removed and the attached revised pages are substituted in place thereof to reflect the changes to the PWS. Annex 5,

Continued ...

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)*	
Frank V. Costanza Deputy Gen. Mgr		Gerald Norris	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED 3/31/2011	16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	16C. DATE SIGNED 3-31-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	pages 536, 539, 561, 565, 576-583 and pages 590-591 of 1478 are hereby removed and the attached revised pages are substituted in place thereof to reflect the changes to the PWS. 2. Attachment J-10: List 1, List 2 and List 5 are hereby removed and the attached revised lists are substituted in place thereof to reflect the current equipment lists. 3. Section B pages 24-26 are also attached to show specific contract values for years 4-10. A decrease of value for the descope of the FCPF, in the amount of $9,099,530 and an increase in value for the buffer zone assessment in the amount of $65,042 resulted in a net decrease of $9,034,488. 4. All hand tools identified by contractor in their revised proposal associated with this de-scope will be turned over to the Government effective April 1, 2011. See Attachment #2 5. Contractor's Statement of Release: In consideration of the modification agreed to herein of the changes noted in items 1-3 above, the Contractor hereby releases the government from any further liability under this contract for any equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein. 6. All other terms and conditions remain the same. CHANGES FOR LINE ITEM NUMBER: 3 Total Amount changed from $55,476,553.00 to $54,950,497.00 Obligated Amount for this modification: -$526,000.00 Incremental Funded Amount changed from (b)(4) CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $55,476,553.00 to $54,950,497.00 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/097596.09.01.02/000/2540 /64/CECX62010D/769Z Amount changed from $4,090,932.76 to $3,564,932.76 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from 7.28237 to 6.48754 CHANGES FOR LINE ITEM NUMBER: 4 Total Amount changed from $52,135,861.00 to $50,821,372.00 Obligated Amount for this modification: $526,000.00 Incremental Funded Amount changed from [redacted] CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $52,135,861.00 to $50,821,372.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.02/000/2 540/64/CECX62011D/769Z/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $526,000.00 Percent: 1.035 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 5 Total Amount changed from $53,042,251.00 to $51,688,592.00 CHANGES FOR LINE ITEM NUMBER: 6 Total Amount changed from $53,733,842.00 to $52,339,527.00 CHANGES FOR LINE ITEM NUMBER: 7 Total Amount changed from $54,533,660.00 to $53,096,382.00 CHANGES FOR LINE ITEM NUMBER: 8 Total Amount changed from $55,384,064.00 to $53,902,840.00 CHANGES FOR LINE ITEM NUMBER: 9 Total Amount changed from $56,380,490.00 to $54,853,023.00 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA Continued ...				

(b)(4)

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	FOB: Destination				

B.2.1 ESTIMATED COST AND INCENTIVE FEE (NFS 1852.216-84) (OCT. 1996)

PLEASE SEE SUMMARY TABLE BELOW FOR CONTRACT VALUE CHANGES

BASIC PERIOD (CLIN 2)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/07 – 08/27/08	(b)(4)						$ 71,799,321
08/28/08 – 08/27/09							$ 84,087,858
08/28/09 – 08/27/10							$ 80,579,787
Total							$ 236,466,966
		Recovery Act Value (CLIN 10)					
08/28/09 – 08/27/10		(b)(4)					$2,394,151
		Recovery Act Value (CLIN 12)					
08/28/09 – 08/27/10							$1,303,122
		Basic Period Total					
08/28/09 – 08/27/10							$ 240,164,239

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

TARGET COST AND INCENTIVE FEE APPLICABLE TO EACH AWARD TERM PERIOD:

AWARD TERM PERIOD 1 (CLIN 3)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/10 – 08/27/11	(b)(4)	(b)(4)					$ 54,950,496
		Recovery Act Value (CLIN 11*)					
08/28/10 – 08/27/11*		(b)(4)					$286,540
		Award Term Period Total					
08/28/10 – 08/27/11		(b)(4)					$ 55,237,036

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee – Reimbursements
*CLIN 11 period of performance ends 01/31/2011

AWARD TERM PERIOD 2

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/11 – 08/27/12	(b)(4)	(b)(4)					$50,821,372

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 3

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/12 – 08/27/13	(b)(4)	(b)(4)					$51,688,592

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 4

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/13 – 08/27/14	(b)(4)	(b)(4)					$ 52,339,527

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 5

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/14 – 08/27/15	(b)(4)	(b)(4)					$ 53,096,382

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 6

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/15 – 08/27/16	(b)(4)	(b)(4)					$ 53,902,840

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 7

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/16 – 08/27/17	(b)(4)	(b)(4)					$ 54,853,023

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee- Reimbursements

B.3 CONTRACT FUNDING (1852.232-81) (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 $ 298,848,160.48. This allotment is for Facility Operating Services at the John C. Stennis Space Center and covers the following estimated period of performance: August 28, 2007 through July 11, 2011.

(b) An additional amount of (b)(4) is obligated under this contract for payment of Performance Incentive Fee and (b)(4) for Cost Incentive Fee.

(c) Recapitulation of funding is as follows:

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

Contract NNS07AB21C Attachment #2
Hand tools being turned over to the Gov
Modification #270

Crew 6333 Hand Tools

Tool Quantity	Tool Description
1	WRENCH, OFFSET, DEEP, 3/8" - 7/8"
1	ADJUSTABLE WRENCH SET
10	ALLEN WRENCHES, METRIC SET
3	CHANNEL LOCKS
2	CHANNEL LOCKS, 10"
1	CHANNEL LOCKS, 12"
2	CHANNEL LOCKS, 16"
10	CHISEL SET
5	DIAGONALS
1	EXTRACTOR SET
9	FLASHLIGHT
7	GASKET SCRAPER
3	HACK SAW
1	HACKSAW FRAME
2	HAMMER, 3 LB.
1	HAMMER, 4 LB
6	HAMMER, BALL PEEN
2	HAMMER, BALL PEEN, 12 OZ.
1	HAMMER, BALL PEEN, 16 OZ.
1	HAMMER, BALL PEEN, 24 OZ.
2	HAMMER, BALL PEEN, 32 OZ.
1	HAMMER, BALL PEEN, 8 OZ.
6	HAMMER, BRASS
1	HAMMER, DEAD BLOW
1	HEX KEY SCREWDRIVER SET
1	HEX KEY SET FOLDING
1	HEX KEY SET, 17 PC
1	HEX KEY SET, 8 PC METRIC
6	HEX KEY SET, BALL END
4	HEX KEY SET, BALL END, METRIC
5	HEX KEY SET, T-HANDLE
2	HEX KEY, SET
3	MALLET, RUBBER
1	MAUL, 3-LB.
4	MAUL, DEAD BLOW, LARGE
4	MIRROR, INSPECTION
3	NUT DRIVER SET / SCREWDRIVER
2	NUT DRIVER, SET 7PC
1	NUT DRIVERS, 3/16" - 9/16"
8	PLIERS
1	PLIERS LINEMAN'S
5	PLIERS, EXTERNAL SNAP RING
5	PLIERS, INTERNAL SNAP RING
5	PLIERS, LONG, 12"
5	PLIERS, LONG-NOSE
11	PLIERS, NEEDLE NOSE
2	PLIERS, NEEDLE NOSE, EXTRA LONG
5	PLIERS, NEEDLE NOSE, LONG
4	PLIERS, REGULAR
2	PLIERS, SNAP RING
1	PLIERS, SNAP RING EXTERNAL/INTERNAL
1	PLIERS, SNAP RING SET
4	PLIERS, STANDARD
5	PRY BAR
1	PRY BAR, (SEALS)
6	PUNCH & CHISEL SET
5	PUNCH SET

Contract NNS07AB21C Attachment #2
Hand tools being turned over to the Govt
Modification #270

Tool Quantity	Tool Description
3	RATCHET 9-1/2, 1/2" DRIVE
8	RATCHET, 1/2" DRIVE
1	RATCHET, 1/2" DRIVE, 15"
5	RATCHET, 3/8" DRIVE
1	SCRATCH AWL
1	SCREWDRIVER 6 IN ONE
1	SCREWDRIVER SET PRECISION
1	SCREWDRIVER SET, ROUND SHANK
1	SCREWDRIVER, 3" X 3/16"
3	SCREWDRIVER, 4" x 1/4"
1	SCREWDRIVER, 4" x 3/16"
1	SCREWDRIVER, 6" x 1/4"
1	SCREWDRIVER, 6" X 3/8"
3	SCREWDRIVER, 6" x 5/16"
3	SCREWDRIVER, FLAT, 10" x 3/8"
4	SCREWDRIVER, FLAT, 6" x 5/16"
6	SCREWDRIVER, FLAT, 8" X 3/8"
6	SCREWDRIVER, FLAT, STUBBY
4	SCREWDRIVER, HEAVY-DUTY, 4" x 1/4"
5	SCREWDRIVER, PHILLIPS
4	SCREWDRIVER, PHILLIPS, #1
9	SCREWDRIVER, PHILLIPS, #1 x 3"
5	SCREWDRIVER, PHILLIPS, #1 x 8"
1	SCREWDRIVER, PHILLIPS, #2
6	SCREWDRIVER, PHILLIPS, #2 STUBBY
6	SCREWDRIVER, PHILLIPS, #2 x 4"
2	SCREWDRIVER, PHILLIPS, #2 x 7"
1	SCREWDRIVER, PHILLIPS, #2X4"
1	SCREWDRIVER, PHILLIPS, #3
5	SCREWDRIVER, PHILLIPS, #3 x 6"
1	SCREWDRIVER, PHILLIPS, STUBBY (603, 1")
2	SCREWDRIVER, PHILLIPS, STUBBY, #2
3	SCREWDRIVER, STANDARD, 10"
2	SCREWDRIVER, STANDARD, 4"
1	SCREWDRIVER, STRAIGHT BLADE
2	SCREWDRIVER, STRAIGHT BLADE, 3/16" X 4"
1	SCREWDRIVER, STRAIGHT BLADE, 3/16" X 6"
2	SCREWDRIVER, STRAIGHT BLADE, 3/8" X 6"
2	SCREWDRIVER, STRAIGHT BLADE, 3/8" X 8"
4	SCREWDRIVER, STUBBY, COMMON
2	SCREWDRIVER/NUT DRIVER, SET, 14-pc
2	SCRIBER
1	SIDE CUTTER
1	SNIPS, AVIATION
1	SNIPS, AVIATION, GREEN HANDLE
2	SOCKET SET 3/8" X 1/4" DRIVE
4	SOCKET SET, 1/2"
6	SOCKET SET, 1/2" & 3/8"
2	SOCKET SET, 1/2" DRIVE
1	SOCKET SET, 1/2" DRIVE, DEEP
1	SOCKET SET, 1/2" DRIVE, SHALLOW & DEEP
1	SOCKET SET, 1/2", 19 PC
3	SOCKET SET, 1/4"
4	SOCKET SET, 1/4" DRIVE
1	SOCKET SET, 1/4" DRIVE, DEEP/SHALLOW
1	SOCKET SET, 3/8" DEEP WELL & SHALLOW COMB. SET 30P
7	SOCKET SET, 3/8" DRIVE
2	SOCKET SET, 3/8" DRIVE, 12 PC

Contract NNS07AB21C Attachment #2
Hand tools being turned over to the Govt
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Tool Quantity	Tool Description
1	SOCKET SET, 3/8" DRIVE, DEEP
3	SOCKET SET, HEX 7PC
1	SOCKET SET, HEX BIT, EXTRA LONG, 3/8" DRIVE
3	TAPE MEASURE
1	TAPE MEASURE, 25'
2	TIN SNIPS
1	TOOL BAG
1	TOOL BOX
11	TOOL BOX, ROLL-A-ROUND
4	TOOL BOX, W/LOCK
1	TORCH SET, PISTOL GRIP
6	VICE GRIP
2	VICE GRIP PLIERS
2	VICE GRIPS
1	VICE GRIPS, NEEDLE NOSE
5	WRENCH COMBINATION SET 7 PC
1	WRENCH LINE SET, 8 PC
1	WRENCH SET, ALLEN
2	WRENCH SET, COMBINATION
1	WRENCH SET, COMBINATION, 3/8" - 1"
1	WRENCH SET, IGNITION
8	WRENCH, ADJUSTABLE, 10"
7	WRENCH, ADJUSTABLE, 12"
1	WRENCH, ADJUSTABLE, 15"
2	WRENCH, ADJUSTABLE, 6"
6	WRENCH, ADJUSTABLE, 8"
5	WRENCH, ALLEN, SET
6	WRENCH, CRESCENT, 10"
6	WRENCH, CRESCENT, 12"
3	WRENCH, CRESCENT, 4"
5	WRENCH, CRESCENT, 6"
5	WRENCH, CRESCENT, 8"
1	WRENCH, LINE, 7 PC
1	WRENCH, METRIC, SET
1	WRENCH, OPEN END COMBINATION SET 14 PC
1	WRENCH, OPEN END, SET
1	WRENCH, PIPE, ALUMINIUM 14"
465	

Contract NNS07AB21C Attachment #2
Hand tools being turned over to the Govt
Modification #270

Machinist Tools

Qty	Description	
1	Roll Around Tool Box w/Lock	
1	Tool Box w/Lock	
1	Dead Blow Maul	
1	Starrett 24" scale	
1	Starrett Center Gauge	
1	Starrett Indicator Clamp	
1	Edge Finder Set	
1	22 pc Indicator Point Set	
1	SPI Protractor	
1	Tweezer Set	
1	Drill Point Gauge	
1	Shaviv Deburring Set	
1	SPI 123 Blocks	
1	45/90 30/60/90 Angle Blocks	
1	Starrett 12" Scale	
1	Inside Caliper Set	
1	Starrett Center Punch Set	
1	Scriber/Pick Set	
1	Outside Caliper Set	
1	Tab Handle Set	
1	Magnifying Glass	
1	Cold Chisel Set	
1	Radius Gauge Set	
1	Precision Screwdriver Set	
2	Divider Set 6" & 12"	
1	Vice Grip Set	
1	Metric Ball End Allen Wrenches	
1	Standard Ball End Allen Wrenches	
2	Combination Wrenches	
1	Precision Parallel Set	
1	Combination Square Set	
1	Hack Saw	
1	Ball Peen Hammer	
3	SPI 1" Travel Indicators	
3	SPI Magnetic Indicator Bases	
1	Machinist Square Set	
1	Fingertip Indicator Set	
1	Flash light	
1	25' tape measure	
1	Transfer Punches	
1	6" Digital Calipers	
47	Pieces	

1.1.9 SAFETY PROGRAM & ISO-9001

1.1.9.1 Scope of Work

1. The contractor shall pursue and obtain, within two years, third party certification of their performance-based, managed safety and health system, or an equivalent occupational safety certification program.

2. The Contractor shall be responsible for providing a quality management system in compliance with the provisions of "ANSI/ISO/ASQ Q9001-2000, "Quality Management Systems – Requirements" throughout. The Contractor Quality Manual (DR 1-RA01) shall define the activities and systems requiring quality systems surveillance. Once the Contractor's Quality Manual has been approved by NASA, it will become the governing quality systems document for the Contractor.

3. The scope of the NASA SSC ISO-9001 registration at SSC currently includes Propulsion Testing and Applied Science programs, but will be expanded to include all SSC activities.

1.1.9.2 General Requirements

1. The contractor shall pursue and obtain, within two years, third party certification of their performance-based, managed safety and health system, or an equivalent occupational safety certification program.

2. The Contractor must be compliant to ISO 9001 within 6 months after contract award.

3. The Contractor will be required to develop work instructions necessary to implement SSC's Management System. Examples of areas requiring work instructions include but not limited to: engineering, purchasing, source and receiving inspections, welding, and nondestructive testing.

4. SSC utilizes a distributed document management system with a design that allows for management of all types of documents. This Technical Documentation System provides for electronic revision control of approved documents and has a centralized search engine. All Level 1 and 2 documents are currently maintained in Tech Doc, and Level 3 documents will be added during the life of the contract. This system will be used by the FOSC. Documentation on this system is included in the TRL.

5. Contractor management is expected to participate as a member of the SSC Safety Management Review. This group, chaired by the SSC Center Director or his designee, is comprised of senior managers from NASA and its major support contractors. The contractor is expected to participate as a member of the Stennis Management System (SMS) working group that meets as required, typically 4 times a year.

ITEM	PERFORMANCE REQUIREMENT	RELATED DOCUMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
3.1.1.1	**Continuation Site wide Oriented Repair Documentation (SORD), Documentation Update**			field investigations to determine the information to be transferred to the affected SORD drawings. Perform all drafting, CAD and manual, to update all SORD drawings affected by a project.
				Delivery of final as-builts to CEF shall be within 14 days of job completion or NASA review and approval.
3.1.1.2	**Reserved**			
3.1.1.3	**Reserved**			

ITEM	PERFORMANCE REQUIREMENT	RELATED DOCUMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
3.1.2	**Computer-Aided Drafting Information System Maintenance and Management of Databases**	The Contractor shall provide programming support for AutoCAD and other government furnished engineering software, which includes providing functional enhancements, response to questions, trouble shooting of problems, and assistance in printing. The contractor shall maintain/create all engineering and drafting electronic databases to SORD, EMI, 1/8" floor plans (Building Plan Drawings). The contractor will devise a fast response retrieval system and provide the government network access to the databases. The databases consist of Raster, Vector and Raster/Vector AutoCAD, and AutoCAD compatible drawings. The contractor shall maintain a back-up and security system to prevent the loss of information.	Support required throughout normal working hours weekly, 200 hours per year.	Support shall be provided within 2-4 hours of the request. The exact schedule for each task shall be given when the task is assigned. All databases shall be maintained current.
3.1.3	**Central Engineering Files (CEF)**	The contractor shall operate the government's Central Engineering Files addressing customer requests, research, document distribution, document pick-up and delivery, document archive and retrieval, control of Engineering Modification Instructions, control of vendor data, control of engineering	Operate weekly during normal working hours, 40 hours/week.	Comply with SSC work instructions Facilities Engineering Documentation Instruction, Facilities Drafting Manual. NASA Facilities Project Implementation Guideline

ITEM	PERFORMANCE REQUIREMENT	RELATED DOCUMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
3.1.3.5	**Continuation CEF Support to Documentation Updates**	Engineering Orders (EO), Field Change Request(s) (FCR) and filing. Research all existing SORD facility drawings to determine those affected by each modification.		
3.1.3.6	**Input and Maintenance of CEF Computer Database**	The contractor shall update databases in CEF to control documentation files. The database will consist of the vendor cross reference index, EMI/SWR cross reference indexes, CAD/EMI indexes, Technical reports and studies indexes, SSC standards index, SSC technical procedures index, SSC maintenance instructions index, government standards and specifications index, Industry standards and specifications index, Construction SPECSINTACT index, CAD index, SORD Drawing index, CR/CCBD index and component database (CDB to parts list).	100,000 entries per year	All databases shall be maintained current. All documentation, such as drawings, manuals, technical papers, pertinent to SSC facilities, systems, and equipment will be controlled by CEF.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
3.2.5.2	**Continuation SORD Drawing Updates (Construction Projects >$200,000)**			Deliver final as-builts to CEF within 14 days of job completion or NASA review and approval.
				Complete all backlog work within the same room, system, or functional area at the same time as the current as-building job.
3.2.6 Reserved				
3.2.7	**Test Complex Engineering**	There is a special requirement for engineering work for test programs and for test complex facility maintenance. The requirement: Area Engineering	See 3.2.7.2.	

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
3.2.7.1	Reserved			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
3.2.7.1	Reserved			

PERFORMANCE REQUIREMENTS SUMMARY

CONTRACTS REQUIREMENTS			PERFORMANCE REQUIREMENTS				
(1) ITEM NO.	(2) CONTRACTS REQUIREMENT	(3) WEIGHT (%)	(4) SURVEILLANCE METHOD	(5) WORK REQUIREMENT	(6) WEIGHT (%)	(7) STANDARD OF PERFORMANCE	(8) MAD
	Annex 3.0 Performance Requirement						
1	Provide Design Services: Engineering Designs Engineering Studies Project Management Plans	60 %	PI, UPI, RR	Timely submission, Quality, Documentation, Cost	100%	Submit 7 days after established completion date. Meet Quality Standards established by customer. Meet documentation requirements according to SSC standards. No cost overrun greater than $1,500 and 10% of the Project Management Plan estimate	50%
2	Provide Construction Services	20%	PI, UPI, RR	Provide continual presence at construction site, safety observations, documentation, and timely closeout	100%	No work days without surveillance. Construction logs and documentation complete. Monthly safety trends complete.	15%
3	Provide Engineering Drafting Support Services, Documentation Maintenance, and Component Engineering: Drafting Digging Permits Space Utilization CAD Systems Support Central Engineering Files (CEF)	20%	VCC, RR	Maintain accurate drawings with required information shown on drawings and maintain documentation. Timely response to service requests. Provide SSC customers access to NASA engineering files.	100%	In accordance with Annex 3.1. Not to exceed One validated customer complaint per month. SORD updates within 60 days of receipt of COC.	20%

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.9	**Continuation Provide Non-destructive Evaluation Service Capability (NDE)**	The Contractor must be certificated by the Mississippi State Board of Health, Division of Radiological Health and operate in accordance with the Mississippi State Board of Health Regulations for the Control of Radiation. The Contractor must obtain and maintain "Radioactive Material" certification and "Registration of Sources of Ionizing Radiation" (X-ray).	2 certifications	Certifications must be current and comply with State regulations.
		Leak inspections are performed under a demand request in support of either repair work at the Fluid Component Processing Facility or on the gas and cryogenic systems located in the test complexes and site-wide systems.		Contractor shall respond to request within 1 hour of notification of requirement. Results of inspection shall be submitted within 24 hours.
		Radiograph work is mostly fieldwork and is the inspection of welding made during construction and/or maintenance and in the recertification of pressure vessels for failure prediction.		
		Pressure vessel inspection is performed on all pressure vessels in accordance with the NASA Pressure Vessel Recertification Program.		

ANNEX 5.4
FACILITY MAINTENANCE AND OPERATIONS
OPERATIONS

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS OR INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
5.4.11	**Facilities Management**			
5.4.11.1	**Establish and Implement a Facilities Management Program to ensure the integration of emergency preparedness and response for the facility, safety, maintenance and assure orderly operating environment of the facility**	The Facility Manager Program shall accomplish the following functions: Provide management oversight and facilitation of the SSC Facility Management Program by working with the designated NASA Technical Monitor for facilities and the individual Facility Managers. Maintain current listing of building Facility Managers. Maintain a Facility Management Website complete with building discrepancy database. Assist Facility Managers with emergency preparedness, industrial health and environmental actions, safety issues, and coordinating all building maintenance. Appoint Facility managers for the FOS contractor appointed buildings and provide training for all Facility Managers. Keep Facility Manager Handbook current.	1 Plan, with database, website and manual	Initial program to be approved and in place within 180 days after contract start. Maintain up to date data base and update manual changes within 30 days. All contractor assigned buildings with Facility Managers in place during contract phase-in.
5.4.12	**Assess the Buffer Zone**	The contractor shall access the land areas within the Buffer Zone for potential violations of the Government's restrictive easement. Assessments shall be performed on a monthly basis and documented in a written report, including photographs of any violations. Reports shall be submitted to the Corps of Engineers, Mobile District; the Center Operations Directorate (COD) Real Property Accountable Officer; the COD Environmental Specialist for Timber and Wetlands Mitigation; the NASA Office of Chief Counsel and the CO/COTR. The contractor shall also notify NASA of any vandalism and of trespassers, campers, hunters or other whose presence and/or activities may encroach on the rights of landowners, private or Government.	12 assessments of entire Buffer Zone per year	Reports shall include a description of the areas traversed/assessed, violations noted, and referenced photographs

ANNEX 5.5
AVAILABILITY
TABLE 5.5-1

SYSTEM	DESCRIPTION	COMMENTS
Marine	Canal System, Waterway Dolphins, Docks, Mooring Devices & Navigational Aids.	Failure of operational personnel to maintain the canal level above 16 feet, 0 inches, shall be defined as an Availability Loss. Failure of a dock system or any mooring devices at a facility, to such an extent that the system is unable to support test activities, **shall be defined as an Availability Loss (criticality II)**. Other failures of any dock system or any mooring devices to fully operate, and other events that do not inhibit the dock system or mooring devices to be fully operational shall be defined as Malfunctions.
Marine	Marine equipment.	Failure of any marine equipment to be fully operational to such an extent that testing is not supported, or is delayed, shall be defined as an Availability Loss. Other events or failures that do not inhibit the equipment from supporting test shall be defined as Malfunctions.
Marine	Piers, canal banks, drainage systems	Failure of any pier, canal bank or drainage system shall be defined as an Availability Loss. Other events or failures shall be defined as Malfunctions.
Machine Shop	All machine equipment	Failure of a piece of equipment in the machine shop that is needed to meet customer demands shall be defined as a Malfunction (Criticality Code III).
Fabricating Shop	All fabricating equipment, welding machines, and special tooling.	Failure of a piece of equipment in the fabrication/welding shop that is needed to meet customer demands shall be defined as a Malfunction (Criticality Code III).
NDE	All equipment	Failure of a piece of equipment in the NDE Lab that is needed to meet customer demands shall be defined as a Malfunction (Criticality Code III).

ANNEX 5.5
AVAILABILITY
TABLE 5.5-1

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5.6 OPERATIONS AND MAINTENANCE

5.6.1 General Information

5.6.1.1 Annex Description

This Annex defines the anticipated workload and special requirements for maintenance engineering, operations engineering, and the implementation of required work for the Test Complex, Base, Resident Agencies and others. It is intended that sufficient work will be identified prior to the start of each fiscal year so that a core of dedicated engineers and craft persons will be available to perform Test Complex, Base, and Resident Agency work. This core level of work is identified in the Related Requirements and Information section of this Annex and the System Operation and Maintenance Responsibility Database (SOMRD) (see 5.1.2).

5.6.1.2 Planning

It is the intent of the Government that those maintenance activities that can be planned in advance (i.e. the design and implementation of the annual facility maintenance projects and design work for the Pressure Vessel Recertification Program) will have a work order issued prior to the start of each fiscal year. The Contractor shall work closely with the Contracting Officer to assure a clear understanding of the workload for each fiscal year.

5.6.1.3 Location of Services

The Contractor will be required to perform maintenance work throughout Stennis Space Center. The metes and bounds of SSC are defined in the SSC Master Plan. Delineation of test complex, institutional base, and other areas are clearly defined in the Master Plan (see 5.1.2).

5.6.1.4 Bench Stock

The Contractor shall be responsible to procure and maintain a level of bench stock to support the various kinds of work defined in this Annex, such as machining, welding/fabrication, and in support of the Fluid Component Processing Facility (FCPF) operated by the Test Operations Contractor (TOC). The requirements for bench stock are defined in the Related Requirements and Information of each sub-Annex of this Annex. This bench stock is not to be confused with warehouse bench stock as specified in **Annex 6**. Bench stock is defined as material which will turn over at least 3 times per year, cannot be readily obtained through normal purchasing procedures in time to support a need for work requirements, and is not carried as part of warehouse stock or there is a cost savings to the Government due to quantity discounts. Exception to the turnover rate can be made by the Government if the material cannot be obtained and certified for use within a turnover cycle of 4 months.

5.6.1.5 Restrictions, Limitations & Special Conditions

Access Control: The test complexes have strict procedures for daily access to perform work. Delays may be expected for access during testing or data operations. Digging in the test complexes is forbidden on test days without prior approval of

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.2.4	**Continuation** **Maintain Bench Stock**			shall not be more than 10% below the baseline value for more than 30 consecutive calendar days in any 6 month Inventory mix shall be continually adjusted to fit the current work flow through the shop.
5.6.2.3	**Reserved**			
5.6.2.3.1	**Reserved**			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.2	Reserved	.		
5.6.2.3.2.1	Reserved			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.2.3	Reserved			
5.6.2.3.2.4	Reserved			
5.6.2.3.2.5	Reserved			
5.6.2.3.2.6	Reserved			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.3	Reserved			
5.6.2.3.4	Reserved			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.3.5	**Purchase and Maintain Soft Goods and Other Bench Stock**	The Contractor shall be required to procure and maintain bench stock in support of the Fluid Component Processing Facility operated by the Test Operations Contractor (TOC). Bench stock is defined as lox compatible soft goods, miscellaneous soft goods, component repair kits, Teflon, bags, tape, grease, miscellaneous bolts, washers and nuts, miscellaneous tubing fittings, and miscellaneous cleaning supplies which are not unique to any particular job effort but does not include operating supplies. The TOC will be responsible for providing a list of items and supplies along with min/max levels that are required to be in bench stock. Historically, bench stock value is about $300,000.00.		Inventory level will be attained within 120 days after contract award. Dollar level of bench stock inventory shall be maintained plus or minus 20% from the inventory value. Inventory level shall not be more than 10% below the baseline value for more than 30 consecutive calendar days in any 6 month period. Inventory mix shall be continually adjusted to fit the current work flow through the shop

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4	**Provide Engineering**	There are special requirements for engineering work for test programs and for test complex facility maintenance. These requirements are divided into two areas: Area Engineering and Field engineering. The special requirements for each of these requirements are listed in the sub-Annexes below: Historical Work Load Data: Area Engineering: Area Engineering – 1.5 WYE Rapid Designs – 3.5 WYE PVR Program – 3 WYE Drafting Support – 3 WYE Field Engineering Field Engineers – 3 WYE Expediting/Material Gathering – 2 WYE	See Below	
5.6.2.4.1	**Reserved**			
5.6.2.4.2	**Provide Engineering Services**	See below		

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4.2.1	Reserved			

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARD
5.6.2.4.2.1	Reserved			

TABLE 5.6-1
Reserved

TABLE 5.6-1
Reserved

Notes: N/A

GOVERNMENT PROVIDED EQUIPMENT
AS OF 4/1/11
Attachment J10 LIST 1
(No Class Exceptions)

ECN	NOMENCLATURE	COST	FSC	YOM	SUBTOTAL	# ITEMS
Federal Supply Classifications - 1925/1930/1940 - Ships, Small Craft Pontoons and Floating Docks						
0752483	TUG, PUSHBOAT	$581,817	1925	1983		
S006269	BARGE, CARGO	$58,500	1930	1952		
S006277	BARGE, CARGO	$58,500	1930	1952		
S006573	BARGE, CARGO	$58,500	1930	1954		
0405979	BOAT, ALUMINUM, 16'	$1,095	1940	1983		
	TOTAL LINE ITEMS 5	**$758,412**			$758,412	5
Federal Supply Classification 2040 - Ship and Marine Equipment, Rigging and Rigging Gear						
G032995	BAR LIFTER, TUGBOAT	$1,883	2040	1983		
G032996	BAR LIFTER, TUGBOAT	$1,883	2040	1983		
	TOTAL LINE ITEMS 2	**$3,766**			$3,766	2
Federal Supply Classifications 2320/2330/2340 - Ground Effect Vehicles, Motor Vehicles, Trailers and Cycles						
G033820	TRUCK, OFF-ROAD UTILITY	$6,806	2320	1988		
G034162	TRUCK, UTILITY ELECTRIC	$2,690	2320	1989		
0015364	TRUCK, OFF-ROAD UTILITY	$7,210	2320	1988		
2155870	TRUCK, BOX VAN	$13,280	2320	1988		
1324652	TRUCK, UTILITY ELECTRIC	$5,142	2320	1994		
2155934	TRAILER,LOW BED;50 TON	$74,260	2320	1968		
1940403	TRUCK, DUMP	$42,052	2320	1975		
0293054	TRUCK, UTILITY, ELECTRIC	$2,590	2320	1980		
0396504	TRUCK, AERIAL LIFT W/BASKET	$75,500	2320	1986		
1874378	TRUCK, STAKE BODY	$58,052	2320	1982		

0590431	TRUCK, UTILITY, ELECTRIC	$2,590	2320	1980
1540153	TRUCK, FUEL TANKER	$38,852	2320	1988
2157828	TRUCK, OFF-ROAD UTILITY	$6,590	2320	2005
0753299	TRUCK, UTILITY, ELECTRIC	$2,590	2320	1980
0753337	TRUCK, UTILITY, ELECTRIC	$2,590	2320	1980
0812280	TRUCK, MAINTENANCE	$115,429	2320	1989
0812337	TRUCK, DUMP	$57,499	2320	1989
0824858	TRUCK, UTILITY, ELECTRIC	$2,350	2320	1988
1542246	TRUCK, 4 X 4 JIMMY	$10,000	2320	1990
2157957	TRUCK, DUMP	$88,500	2320	2005
1011158	TRUCK, MAINTENANCE	$21,780	2320	1989
1540902	TRUCK, STAKE BODY	$17,266	2320	1987
1910759	TRUCK, SERVICE	$30,257	2320	1997
1173483	TRUCK, UTILITY, ELECTRIC	$2,690	2320	1991
1941835	TRUCK, UTILITY;ELECTRIC	$8,558	2320	2001
1323186	TRUCK, SERVICE	$26,905	2320	1993
1941851	TRUCK, MAINTENANCE	$65,000	2320	1996
1941852	TRUCK, MAINTENANCE	$32,619	2320	1995
1223814	TRUCK, UTILITY, ELECTRIC	$3,501	2320	1992
1224232	TRUCK, WRECKER 5-TON	$125,000	2320	1972
1325132	TRUCK, DUMP	$70,400	2320	1980
2158150	TRUCK, FUEL TANKER	$83,105	2320	2005
1539314	TRAILER, LOWBED	$5,000	2330	1978
1324537	TRAILER, FLAT BED	$3,995	2330	1988
0034722	TRAILER	$3,695	2330	1997
1912664	TRAILER, DROP DECK	$11,615	2330	1998
1541319	TRAILER, UTILITY	$7,330	2330	1996
2158195	TRAILER, UTILITY	$8,850	2330	2006
0015518	TRAILER, 10' X 30'	$4,950	2330	1988
1940882	TRAILER, FLATBED	$1,200	2330	1989
1225046	TRAILER, 20-TON ENCLOSED	$4,972	2330	1984
1010167	TRAILER, HOUSE MOVING MODULE	$4,800	2330	1983
0289816	TRAILER, W/TANK	$27,206	2330	1973
0396680	TRAILER, 7' X 34'	$3,777	2330	1986
1225045	TRAILER, 20-TON ENCLOSED	$4,972	2330	1984
1939826	TRAILER, FOLD GOOSENECK 50 TON	$12,500	2330	1965

1172719	TRAILER, 12-TON ENCLOSED	$7,000	2330	1984		
0593240	TRAILER, TANK, SEMI	$5,200	2330	1948		
0752900	TRAILER, PIPE-POLE	$3,150	2330	1945		
0752901	TRAILER, CABLE, 5-TON REEL	$3,100	2330	1977		
0752908	TRAILER, CABLE, 5-TON REEL	$3,100	2330	1977		
0752909	TRAILER, CABLE	$3,099	2330	1974		
1011198	TRAILER, TRUCK TILTING	$10,681	2330	1991		
1011199	TRAILER, ENCLOSED	$3,416	2330	1978		
1172706	TRAILER, SINGLE AXLE	$3,416	2330	1984		
1223798	TRAILER, LOWBOY	$22,890	2330	1969		
1172710	TRAILER, TANDEM 20-TON ENCLOSE	$11,972	2330	1984		
0034627	TRAILER, TANK, FUEL	$15,064	2330	1988		
2157180	TRAILER, UTILITY	$2,890	2330	1999		
1911511	TRAILER, CARGO	$3,910	2330	1997		
1939418	TRAILER, PLATFORM	$19,095	2330	1996		
2156765	TRAILER	$1,000	2330	1988		
2097526	CART, ELECTRIC	$9,094	2340	2001		
	TOTAL LINE ITEMS 63	**$1,334,592**			$1,334,592	63
Federal Supply Classification 2430 - Tractors						
0819064	TRACTOR	$111,409	2430	1991		
	TOTAL LINE ITEMS 1	**$111,409**			$111,409	1
Federal Supply Classifications 2805/2845 - Engines						
0591034	OUTBOARD MOTOR, GASOLINE	$1,141	2805	1983		
1323774	OUTBOARD MOTOR, GASOLINE	$1,250	2805	1993		
1911083	OUTBOARD MOTOR, GASOLINE	$2,495	2805	1996		
	TOTAL LINE ITEMS 3	**$4,886**			$4,886	3
Federal Supply Classification 3220 - Woodworking Machinery						
G033246	SANDER, BELT, ELECTRIC	$580	3220	1988		
G033279	SANDER, DISK	$15,425	3220	1988		
G034459	JOINTER, WOODWORKING	$15,536	3220	1989		
0014998	TABLE, MARVEL DEAD ROLLER	$5,587	3220	1988		
0015266	PLANER, SURFACE	$68,045	3220	1988		

0289736	SAW, RADIAL OVERARM, WOODWORKI	$1,292	3220	1971		
0591349	SAW, BAND, WOODWORKING	$9,000	3220	1964		
0752741	SANDER, BELT, ELECTRIC	$680	3220	1977		
0818992	SAW, CIRCULAR, TABLE TYPE	$3,978	3220	1991		
1940630	SANDER, BELT, ELECTRIC	$1,400	3220	1965		
1012429	SANDER, DISK	$1,072	3220	1990		
1173378	SHAPER, WOOD	$3,678	3220	1991		
1173419	SANDER, DISK	$1,325	3220	1991		
1939957	PLANER	$796	3220	1998		
	TOTAL LINE ITEMS 14	**$128,394**			$128,394	14

Federal Supply Classification 3405 - Saws and Filing Machines

G032877	SAW, BAND 36"	$16,740	3405	1988		
1940208	SAW, COLD 14"	$3,795	3405	1998		
1940212	SAW, BAND	$16,995	3405	1998		
0015626	SAW, CUTOFF 10"	$535	3405	1988		
0132686	SAW, BAND	$57,010	3405	1987		
0133468	SAW, BAND METAL CUTTING	$4,521	3405	1987		
1912745	SAW, BAND	$43,779	3405	1998		
2156928	SAW, BAND	$5,414	3405	1979		
1539853	SAW, CUTOFF	$359	3405	1995		
0590375	SAW, ABRASIVE CUTOFF	$1,652	3405	1982		
0590943	SAW, POWER HACK	$2,500	3405	1967		
0753403	SHEAR, HYDRAULIC	$19,946	3405	1985		
1324287	SAW, BAND	$2,936	3405	1993		
1324655	SAW, BAND	$2,712	3405	1994		
1012103	SAW, BAND 14"	$610	3405	1990		
1912763	SAW, PIPE CUTTING	$899	3405	1998		
1940663	SAW, 10" MITER	$949	3405	1999		
2158139	SAW, TABLE	$2,058	3405	2006		
1912764	SAW, PIPE CUTTING	$899	3405	1998		
1911499	SAW, BAND	$924	3405	1997		
	TOTAL LINE ITEMS 20	**$185,233**			$185,233	20

Federal Supply Classification 3408 - Machining Centers and Way-Type Machines

2158235	MACHINING CENTER, VERTICAL	$111,850	3408	2006		

	TOTAL LINE ITEMS	**$111,850**			$111,850	1
Federal Supply Classification 3411 - Boring Machines						
2156932	BORING MACHINE, JIG	$39,535	3411	1979		
0137723	HEAD, BORING	$4,900	3411	1970		
0591347	BORING MACHINE	$30,072	3411	1946		
0594305	BORING MACHINE	$64,962	3411	1942		
0594306	BORING MACHINE	$56,625	3411	1933		
0594333	BORER, JIG	$6,736	3411	1939		
1011571	BORING BAR, PORTABLE	$13,620	3411	1990		
	TOTAL LINE ITEMS 7	**$216,450**			$216,450	7
Federal Supply Classification 3413 - Drilling and Tapping Machines						
1323424	DRILLING MACHINE, UPRIGHT	$3,500	3413	1960		
G034463	DRILLING MACHINE, UPRIGHT	$446	3413	1989		
1223611	DRILLING MACHINE, UPRIGHT	$4,099	3413	1991		
2156935	DRILLING MACHINE, RADIAL	$10,265	3413	1980		
0590957	DRILLING MACHINE, UPRIGHT	$465	3413	1966		
0591028	DRILLING MACHINE, UPRIGHT	$475	3413	1974		
0591361	DRILLING MACHINE, UPRIGHT	$5,326	3413	1965		
0594313	DRILLING MACHINE, UPRIGHT	$490	3413	1964		
0594334	PRESS, DRILL FLOOR ELECTRIC	$848	3413	1965		
0752868	DRILLING MACHINE, UPRIGHT	$2,980	3413	1955		
0819134	DRILLING MACHINE, UPRIGHT	$4,143	3413	1991		
	TOTAL LINE ITEMS 11	**$33,037**			$33,037	11
Federal Supply Classification 3415 - Grinding Machines						
0015681	SANDER/GRINDER	$309	3415	1987		
1541306	SANDER, BELT/DISC	$918	3415	1995		
1323798	GRINDER, PEDESTAL ELECTRIC	$1,468	3415	1993		
1941253	SANDER, BELT	$312	3415	2000		
2156930	GRINDER, UNIVERSAL	$13,568	3415	1975		
2156931	GRINDING MACHINE, SURFACE	$19,995	3415	1989		
2156936	GRINDING MACHINE	$8,950	3415	1980		
0590357	GRINDER, PEDESTAL ELECTRIC	$1,250	3415	1965		

0591346	GRINDER, PEDESTAL ELECTRIC	$1,250	3415	1964		
0591352	GRINDING MACHINE, BENCH	$2,323	3415	1944		
0591353	GRINDER, PEDESTAL ELECTRIC	$575	3415	1965		
0591355	GRINDER, MONOSET CUTTER & TOOL	$6,000	3415	1965		
0591444	GRINDING MACHINE, BENCH	$54	3415	1965		
0594323	GRINDER, PEDESTAL ELECTRIC	$1,151	3415	1964		
0752471	GRINDING & BUFFING MACHINE, UT	$444	3415	1966		
0752726	GRINDER, PEDESTAL ELECTRIC	$1,250	3415	1964		
0752871	GRINDER, PEDESTAL ELECTRIC	$1,250	3415	1964		
0753162	GRINDING MACHINE, BENCH	$111	3415	1982		
0824516	GRINDING MACHINE, BENCH	$316	3415	1987		
0824586	GRINDING MACHINE, BENCH	$355	3415	1987		
1010716	GRINDING MACHINE, BENCH	$200	3415	1990		
1541119	GRINDER, BENCH	$188	3415	1996		
1172594	BUFFING MACHINE, PEDESTAL	$3,000	3415	1990		
1541625	GRINDING MACHINE, HORIZONTAL	$42,249	3415	1996		
	TOTAL LINE ITEMS 24	**$107,486**			$107,486	24

Federal Supply Classifications 3416/3417 - Lathes and Milling Machines

1323425	LATHE	$4,900	3416	1965
2158175	LATHE	$84,660	3416	2006
2156934	LATHE	$21,632	3416	1979
0594319	LATHE, ENGINE MANUAL	$24,565	3416	1965
0594328	LATHE, ENGINE MANUAL	$9,331	3416	1953
0594329	LATHE, ENGINE MANUAL	$10,261	3416	1963
0594342	LATHE, TOOLMAKER W/ACCESSORIES	$5,272	3416	1965
0818997	LATHE, WOOD	$2,001	3416	1991
1541419	LATHE	$19,172	3416	1969
1011932	LATHE, 21"	$61,720	3416	1990
1225132	LATHE, ENGINE MANUAL	$22,690	3416	1992
0594325	LATHE, PLAIN BED	$45,528	3416	1964
2155738	EMBOSSER, PLATE	$11,330	3417	2002
2155739	EMBOSSER, PLATE	$11,330	3417	2002
G033900	MILLING MACHINE	$180,665	3417	1988
0133049	MILLING MACHINE	$47,061	3417	1987
2156929	MILLING MACHINE	$15,813	3417	1989

2156933	MILLING MACHINE	$29,619	3417	1980		
0591341	MILLING MACHINE, VERT W/ACCESS	$4,545	3417	1964		
0591364	MILLING MACHINE	$2,749	3417	1964		
0591446	END MILL SHARPENING FIXTURES	$1,193	3417	1979		
0591458	MILLING ATTACHMENT, UNIVERSAL	$2,570	3417	1966		
1172896	MILLING MACHINE	$13,965	3417	1965		
1322751	ENGRAVING SYSTEM, COMPUTERIZED	$13,595	3417	1993		
0818996	MILLING MACHINE	$1,295	3417	1991		
	TOTAL LINE ITEMS 25	**$647,462**			$647,462	25

Federal Supply Classification 3419 - Miscellaneous Machine tools

1219484	WIRE COILING & CUTTING MACHINE	$15,911	3419	1991		
0016028	BEVELER, MEDIUM DIAMETER	$15,603	3419	1989		
2156938	COMPARATOR, OPTICAL	$42,210	3419	1980		
0592429	CUTTING MACHINE, GASKET	$975	3419	1984		
0818995	PROJECTOR, OPTICAL CONTOUR	$11,170	3419	1991		
1010708	KEY MILL	$2,565	3419	1989		
0016027	BEVELER, SMALL DIAMETER	$5,063	3419	1989		
1912811	BEVELER	$9,850	3419	1998		
1912812	BEVELER	$4,095	3419	1998		
1941847	BEVELER SYSTEM	$8,720	3419	2001		
1941848	BEVELER SYSTEM	$8,720	3419	2001		
	TOTAL LINE ITEMS 11	**$124,882**			$124,882	11

Federal Supply Classification 3431 - Electric Arc Welding Equipment

1940587	WELDING MACHINE, ARC	$11,718	3431	1996		
1541601	WELDING MACHINE, ARC	$11,718	3431	1996		
G034297	WELDING MACHINE, ARC	$7,060	3431	1989		
G034341	WELDING MACHINE, ARC	$4,501	3431	1989		
G034342	WELDING MACHINE, ARC	$4,501	3431	1989		
G034450	POWER SOURCE, 300 AMPERE	$2,841	3431	1989		
2158204	WELDING MACHINE, ARC	$3,711	3431	2006		
2158205	WELDING MACHINE, ARC	$3,711	3431	2006		
0819154	WELDING MACHINE, ARC	$2,121	3431	1991		
2158251	WELDING MACHINE, DIESEL	$14,062	3431	2006		

2158252	WELDING MACHINE, DIESEL	$14,062	3431	2006
1224231	WELDING MACHINE, ARC	$1,030	3431	1976
1539644	WELDING MACHINE, ARC	$2,483	3431	1995
1224852	WELDING MACHINE, ARC	$10,993	3431	1992
2156333	WELDER, TRAILBLAZER	$7,337	3431	1986
1910808	WELDER, TRAILBLAZER	$7,337	3431	1986
1224853	WELDING MACHINE, ARC	$10,993	3431	1992
2157234	WELDING MACHINE, ARC	$3,065	3431	2004
2156332	WELDING MACHINE, ARC	$2,700	3431	1998
0396993	WELDING MACHINE, ARC	$2,984	3431	1986
2157580	WELDING MACHINE, ARC	$3,342	3431	2005
0397088	CUTTING SYSTEM, PLASMA ARC	$12,381	3431	1986
2156859	WELDING MACHINE, ARC	$3,065	3431	2003
0589997	WELDING MACHINE, ARC	$1,978	3431	1977
0590018	WELDING MACHINE, ARC	$1,030	3431	1976
0590388	CUTTING MACHINE, GAS	$500	3431	1965
0590399	WELDING GUN, PVC	$380	3431	1981
0590420	WELDING MACHINE, ARC TWO WHEEL	$2,331	3431	1976
1940629	WELDER, TRAILBLAZER	$5,692	3431	1984
1941272	WELDING MACHINE, ARC	$2,485	3431	2000
1941273	WELDING MACHINE, ARC	$2,485	3431	2000
0594041	WIRE FEEDER	$625	3431	1984
0752466	WELDING MACHINE, ARC	$1,030	3431	1976
1539646	WELDING MACHINE, ARC	$2,264	3431	1995
1542052	WELDING MACHINE, ARC, AC/DC	$2,936	3431	1996
1540916	WELDING MACHINE, ARC	$12,076	3431	1996
1540906	WELDING MACHINE, ARC	$2,532	3431	1996
1941039	WELDING MACHINE, ARC	$2,185	3431	2000
1912393	WELDING MACHINE, ARC	$6,882	3431	1997
1940483	WELDING MACHINE, ARC	$1,578	3431	1997
1940484	WELDING MACHINE, ARC	$1,578	3431	1997
1324019	WELDING MACHINE, ARC	$10,488	3431	1993
1940105	WELDER, INVERTER ARC	$1,231	3431	1998
1940106	WELDER, INVERTER ARC	$1,231	3431	1998
0397213	WELDING MACHINE, ARC	$2,579	3431	1986
1940516	CUTTING MACHINE, PLASMA ARC	$1,975	3431	1999

1542053	WELDING MACHINE, ARC, AC/DC	$2,936	3431	1996		
1541123	WELDING MACHINE, ARC	$1,175	3431	1996		
1940123	WELDING MACHINE, ARC	$2,483	3431	1998		
1940122	WELDING MACHINE, ARC	$4,437	3431	1998		
1939823	WELDING MACHINE, ARC	$2,311	3431	1998		
1910143	WELDING MACHINE, ARC	$7,586	3431	1997		
1910144	WELDING MACHINE, ARC	$7,586	3431	1997		
1939822	WELDING MACHINE, ARC	$2,311	3431	1998		
1939821	WELDING MACHINE, ARC	$2,311	3431	1998		
1939820	WELDING MACHINE, ARC	$2,311	3431	1998		
1939819	WELDING MACHINE, ARC	$2,311	3431	1998		
1939818	WELDING MACHINE, ARC	$2,311	3431	1998		
1941432	WELDING MACHINE, ARC	$2,885	3431	2000		
	TOTAL LINE ITEMS 59	**$258,741**			$258,741	59

Federal Supply Classification 3433 - Gas Welding, Heat Cutting and Metalizing Equipment

0131778	TORCH, LECTRA	$250	3433	1986		
0293279	CUTTING MACHINE	$744	3433	1986		
0293280	TORCH, HAND CUTTING	$460	3433	1985		
0397189	CUTTING MACHINE, PLASMA METAL	$2,565	3433	1986		
1940844	CUTTING MACHINE, PLASMA ARC	$2,145	3433	2000		
1910040	CUTTING MACHINE	$1,881	3433	1997		
	TOTAL LINE ITEMS 6	**$8,045**			$8,045	6

Federal Supply Classification 3436 - Welding Positioners and Manipulators

1912802	POSITIONER	$11,012	3436	1998		
2157859	POSITIONER, WELDING	$8,250	3436	2005		
2157260	POSITIONER, WELDING	$9,610	3436	2004		
1940605	POSITIONER, WELDING	$8,400	3436	1999		
1941834	POSITIONER, PIPE	$4,062	3436	2001		
1912424	POSITIONER, WELDING	$2,939	3436	1998		
0034834	POSITIONER, WELDING	$3,340	3436	1996		
	TOTAL LINE ITEMS 7	**$47,613**			$47,613	7

Federal Supply Classification 3438 - Miscellaneous Welding Equipment

G033264	LOADBANK, DIGITAL WELDING POWER	$1,746	3438	1988		
G033771	PIPE CUTTING MACHINE, PORTABLE	$4,950	3438	1989		
G033772	PIPE CUTTING MACHINE, PORTABLE	$4,950	3438	1989		
	TOTAL LINE ITEMS 3	**$11,646**			$11,646	3

Federal Supply Classification 3441 - Bending and Forming Machines

G032881	LATHE, 15" GEARED HEAD GAP BED	$27,228	3441	1988		
G032886	CUTTING MACHINE, OXYFUEL/PLASM	$100,100	3441	1988		
G033639	THREADING MACHINE	$4,366	3441	1988		
1322815	FACER, FLANGE	$10,810	3441	1988		
1539669	BENDER, CONDUIT, HYDRAULIC	$11,409	3441	1995		
0819136	BRAKE, BOX & PAN STYLE	$5,730	3441	1991		
1910807	BRAKE, PLAINSTYLE BENDING HAND	$5,050	3441	1991		
1910806	BENDER, PLATE	$10,000	3441	1965		
0589987	FORMING MACHINE	$3,000	3441	1965		
0590010	PRESS, BRAKE	$13,200	3441	1965		
0590026	FORMING MACHINE	$4,856	3441	1965		
0591366	SINE, PLATE 10"	$555	3441	1965		
1324634	THREADING MACHINE	$4,697	3441	1994		
1325170	BENDER	$12,755	3441	1994		
1012131	PLATE, BENDING ROLL	$102,790	3441	1991		
1172832	TABLE, WATER CUTTING	$37,454	3441	1991		
1224836	BENDER, CONDUIT	$9,731	3441	1992		
1322884	BENDER, ELECTRIC	$3,966	3441	1992		
0589995	FINGER BRAKE	$500	3441	1966		
1541852	BENDER, ELECTRIC	$6,891	3441	1996		
	TOTAL LINE ITEMS 20	**$375,088**			$375,088	20

Federal Supply Classification 3442 - Hydraulic and Pneumatic Presses

1225198	PRESS, HYDRAULIC 25-TON	$1,646	3442	1992		
G034505	PRESS, HYDRAULIC 25 TON	$891	3442	1989		
1539499	PRESS, HYDRAULIC	$3,292	3442	1995		
1011234	PRESS, HYDRAULIC	$3,870	3442	1990		
1541254	PRESS, HYDRAULIC FLOOR	$2,499	3442	1996		

1323003	PRESS, ARBOR, POWER OPERATED	$8,999	3442	1993		
1940069	PRESS, DRILL	$345	3442	1998		
1939503	PRESS, DRILL	$6,089	3442	1998		
	TOTAL LINE ITEMS 8	**$27,631**			$27,631	8

Federal Supply Classifications 3443/3444 - Mechanical Presses

0752335	PRESS, HYDRAULIC 17 1/2 TON	$1,190	3443	1984		
0824553	PUMP, FILTER	$600	3443	1983		
1541241	PRESS, DRILL	$441	3443	1996		
0592394	PRESS, DRILL	$397	3443	1984		
0592334	PRESS, SHOP 100 TON	$8,189	3444	1984		
0594321	PRESS, ARBOR, HAND OPERATED	$252	3444	1966		
0594330	PRESS, ARBOR, HAND OPERATED	$72	3444	1965		
	TOTAL LINE ITEMS 7	**$11,141**			$11,141	7

Federal Supply Classification 3445 - Punching and Shearing Machines

0590004	PUNCHING MACHINE, METAL, FOOT	$8,735	3445	1965		
1010738	SHEAR, HYDRAULIC	$110,755	3445	1989		
1324750	KNOCK-OUT SET	$1,116	3445	1994		
1012235	PUNCHING MACHINE, HYDRAULIC	$935	3445	1990		
1223701	PUNCHING MACHINE, METAL, HAND	$6,666	3445	1992		
	TOTAL LINE ITEMS 5	**$128,207**			$128,207	5

Federal Supply Classifications 3449/3450/3460 - Portable Machine Tools and Accessories

2157049	CUTTING MACHINE, BAND	$3,369	3449	2003		
1323845	THREADER, POWER DRIVE	$885	3450	1993		
0125369	TOOL, REWORKING	$9,422	3450	1965		
0137042	THREADER, CONDUIT	$335	3450	1977		
1322609	THREADER, POWER DRIVE	$882	3450	1992		
0591451	HEAD, MILLING PORTABLE	$4,218	3450	1965		
0752858	BLOWER	$125	3450	1976		
1010233	MARKING MACHINE, METAL	$945	3450	1989		
1012487	THREADER, PIPE	$621	3450	1989		
1941829	CUTTER,WIRE ROPE;HYDRAULIC	$857	3450	2001		
1541780	THREADER, PIPE	$5,191	3450	1996		
0125495	SPACER, SUPER	$1,280	3460	1965		

0591452	TABLE, ROTARY PL	$20,000	3460	1964		
	TOTAL LINE ITEMS 13	**$48,130**			$48,130	13

Federal Supply Classification 3540 - Wrapping & Packaging Machines

1540996	SEALER, PRESSURE	$10,440	3540	1996		
1542237	ROLL, SLIP	$5,580	3540	1996		
2157666	LAMINATOR	$16,175	3540	2005		
0819144	SEALING MACHINE	$5,675	3540	1991		
	TOTAL LINE ITEMS 4	**$37,870**			$37,870	4

Federal Supply Classification 3590 - Miscellaneous Service and Trade Equipment

1012319	PRESS, LAMINATING, PROTECTIVE	$396	3590	1990		
1172844	PRESS, LAMINATING, PROTECTIVE	$485	3590	1991		
1173372	PRESS, LAMINATING, PROTECTIVE	$235	3590	1991		
1539378	PRESS, LAMINATING, PROTECTIVE	$1,035	3590	1995		
	TOTAL LINE ITEMS 4	**$2,151**			$2,151	4

Federal Supply Classification 3610 - Printing, Duplicating and Bookbinding Equipment

L008464	COPIER	$48,720	3610	2002		
L008465	SERVER	$10,500	3610	2002		
L008466	SCANNER	$17,280	3610	2002		
1941283	LAMINATOR	$14,000	3610	2000		
	TOTAL LINE ITEMS 4	**$90,500**			$90,500	4

Federal Supply Classification 3611 - Industrial Marking Machines

0034179	PRINTING MACHINE, LABEL	$1,726	3611	1994		
	TOTAL LINE ITEMS 1	**$1,726**			$1,726	1

Federal Supply Classification 3615 - Pulp and Paper Industries Machinery

1322908	BALER, VERTICAL	$6,925	3615	1993		
	TOTAL LINE ITEMS 1	**$6,925**			$6,925	1

Federal Supply Classification 3630 - Concrete Industries Machinery

1541853	SAW, CONCRETE	$2,327	3630	1996		
	TOTAL LINE ITEMS 1	**$2,327**			$2,327	1

Federal Supply Classification 3685 - Specialized Metal Container Manufacturing

0590002	LOCK FORMER	$828	3685	1965		
	TOTAL LINE ITEMS 1	**$828**			$828	1

Federal Supply Classification 3805 - Earth Moving & Excavating Equipment

1324516	LOADER, BACKHOE	$44,155	3805	1993		
1324517	BREAKER, CONCRETE	$17,970	3805	1993		
2158194	LOADER, SCOOP TYPE	$52,663	3805	2006		
1324237	LOADER, SCOOP TYPE	$87,392	3805	1993		
1940395	GRADER, ROAD	$54,000	3805	1979		
0396497	GRADER, ROAD, MOTORIZED	$129,684	3805	1975		
0590948	DITCHING MACHINE	$9,985	3805	1981		
0590966	LOADER, SCOOP TYPE	$51,137	3805	1976		
0590996	LOADER, BACKHOE	$23,577	3805	1976		
2157654	EXCAVATOR, TRACK HOE	$137,869	3805	2005		
1912185	SCRAPER	$223,470	3805	1977		
1224492	EXCAVATOR, HYDRAULIC	$121,690	3805	1992		
	TOTAL LINE ITEMS 12	**$953,592**			$953,592	12

Federal Supply Classification 3810 - Cranes and Crane Shovels

1912857	CRANE	$447,675	3810	1998		
	TOTAL LINE ITEMS 1	**$447,675**			$447,675	1

Federal Supply Classification 3815 - Crane Shovel Attachments

1910665	BALL, WRECKING 3 TON	$530	3815	1967		
0590997	BUCKET, CLAMSHELL	$1,664	3815	1965		
0593236	BUCKET, CONCRETE 3/4 CU YD	$818	3815	1966		
0593239	BUCKET, DRAGLINE 3/4 YARD	$850	3815	1967		
	TOTAL LINE ITEMS 4	**$3,862**			$3,862	4

Federal Supply Classification 3825 - Road Clearing, Cleaning & Marking Equipment

0133827	SWEEPER, HYDRAULIC TRACTOR MTD	$4,555	3825	1987		
0397130	SWEEPER	$18,000	3825	1986		
0593629	SWEEPER, MAGNETIC	$1,500	3825	1962		
	TOTAL LINE ITEMS 3	**$24,055**			$24,055	3

Federal Supply Classification 3830 - Truck and Tractor

0591003	RAKE, BRUSH 9 FT	$1,425	3830	1965		
1224932	BULLDOZER	$127,000	3830	1973		
2157596	BULLDOZER	$132,531	3830	2005		
2157596	BULLDOZER	$132,531	3830	2005		
2158157	BULLDOZER	$202,100	3830	2006		
	TOTAL LINE ITEMS 5	**$595,587**			$595,587	5

Federal Supply Classification 3895 - Miscellaneous Construction Equipment

0590263	MIXER, CONCRETE TILT SIDE DISH	$1,160	3895	1975		
1322510	COMPACTOR, GARBAGE	$169,930	3895	1970		
1322864	ROLLER, TOWED, PNEUMATIC TIRED	$2,263	3895	1969		
1541729	MIXER, CONCRETE	$2,487	3895	1996		
1542245	COMPACTOR, LANDFILL	$144,334	3895	1996		
	TOTAL LINE ITEMS 5	**$320,174**			$320,174	5

Federal Supply Classification 3920 - Material Handling Equipment

1322517	TRANSPORTER	$10,000	3920	1984		
1941052	TRANSPORTER, ROCKET ENGINE	$17,000	3920	1964		
0397497	TRAILER, BOAT	$466	3920	1987		
	TOTAL LINE ITEMS 3	**$27,466**			$27,466	3

Federal Supply Classification 3930 - Warehouse Trucks & Tractors

2156127	FORKLIFT, TRUCK	$19,560	3930	2002		
1939898	FORKLIFT, TRUCK	$78,773	3930	1998		
G032910	FORKLIFT, TRUCK	$27,232	3930	1988		
0133471	FORKLIFT, TRUCK	$15,692	3930	1987		
1173488	FORKLIFT, TRUCK	$18,967	3930	1991		
0015293	FORKLIFT, TRUCK	$15,154	3930	1988		
0015312	FORKLIFT, TRUCK	$15,479	3930	1988		
0015726	FORKLIFT, TRUCK	$16,613	3930	1988		
2158099	FORKLIFT, TRUCK	$22,134	3930	1989		
1322702	FORKLIFT, TRUCK	$21,993	3930	1992		
0133010	FORKLIFT, TRUCK	$18,566	3930	1987		
1912819	LIFT, MAN	$22,200	3930	1998		

0592346	FORKLIFT, TRUCK	$20,501	3930	1984		
2157653	HITCH, POWER	$2,206	3930	2005		
0753420	FORKLIFT, TRUCK	$17,690	3930	1982		
0589963	FORKLIFT, TRUCK	$28,000	3930	1980		
1939816	FORKLIFT, TRUCK	$61,178	3930	1987		
0133009	FORKLIFT, TRUCK	$18,566	3930	1987		
2156532	FORKLIFT, TRUCK	$178,983	3930	1983		
1939825	FORKLIFT, TRUCK	$17,165	3930	1983		
2157931	FORKLIFT, TRUCK	$26,238	3930	2005		
1011195	FORKLIFT, TRUCK	$33,528	3930	1990		
1011236	FORKLIFT, TRUCK	$21,795	3930	1990		
1012044	FORKLIFT, TRUCK	$24,153	3930	1990		
2157385	FORKLIFT, TRUCK	$25,941	3930	2004		
2157386	FORKLIFT, TRUCK	$25,941	3930	2004		
1323721	FORKLIFT, TRUCK	$29,675	3930	1993		
1173369	FORKLIFT, TRUCK	$19,461	3930	1991		
1173498	FORKLIFT, TRUCK	$19,461	3930	1991		
0397227	TRUCK PALLET	$690	3930	1986		
0034631	FORKLIFT, TRUCK	$79,497	3930	1975		
1542249	FORKLIFT, TRUCK	$79,497	3930	1971		
0396611	TRUCK, HYDRAULIC PALLET	$564	3930	1986		
1323981	LIFT, PERSONNEL	$4,628	3930	1993		
1324861	LIFT-A-LOFT	$46,225	3930	1994		
	TOTAL LINE ITEMS 35	**$1,073,946**			$1,073,946	35

Federal Supply Classification 3940 - Block, Tackle, Rigging & Slings

0752307	CLAMP, CHAIN	$972	3940	1984		
	TOTAL LINE ITEMS 1	**$972**			$972	1

Federal Supply Classification 3950 - Winches, Hoists, Cranes & Derricks

1941462	HOIST, CHAIN	$285	3950	2001		
1939238	CRANE, FLOOR	$697	3950	1998		
1541303	HOIST, CHAIN	$1,261	3950	1996		
G033278	COMEALONG	$245	3950	1988		
G033318	HOIST, CHAIN	$176	3950	1988		
G033531	COMEALONG	$202	3950	1988		

1940752	HOIST, CHAIN	$1,930	3950	1999
1912986	WINCH	$770	3950	1998
1912987	WINCH	$770	3950	1998
2155762	HOIST,CHAIN	$279	3950	1999
2156280	WINCH	$1,150	3950	2002
1539740	HOIST, CHAIN	$1,560	3950	1994
2155899	WINCH, ELECTRIC	$1,130	3950	2002
1941254	HOIST, WIREROPE, PORTABLE	$2,410	3950	2000
2157225	HOIST, CHAIN	$420	3950	2004
0041932	HOIST, CHAIN	$1,162	3950	1996
2157226	HOIST, CHAIN	$420	3950	2004
0041931	HOIST, CHAIN	$1,094	3950	1996
0145568	COMEALONG	$255	3950	1982
0145623	COMEALONG	$153	3950	1983
0289726	TRUCK, WALKIE REACH	$11,353	3950	1985
1911175	CRANE, JIB MOBILE 4000 LB CAP	$601	3950	1981
0289833	SPIDER, STAGING	$1,488	3950	1968
0289843	SPIDER, STAGING	$3,595	3950	1982
1539845	HOIST, CHAIN	$376	3950	1995
2157215	HOIST, CHAIN	$1,394	3950	2004
1540018	SPIDER, STAGING	$38,000	3950	1995
0397098	CRANE, HYDRAULIC	$799	3950	1986
0133423	HOIST, CHAIN	$287	3950	1966
0589943	HOIST, CHAIN, AIR OPERATED	$2,117	3950	1976
0590346	HOIST, CHAIN	$575	3950	1965
0590975	HOIST, CHAIN	$180	3950	1967
0591023	COMEALONG	$148	3950	1976
0592393	HOIST, WIRE ROPE	$7,863	3950	1984
0592691	SPIDER, STAGING	$3,595	3950	1982
1912836	CRANE	$74,500	3950	1998
1622516	HOIST, CHAIN	$176	3950	1998
1622517	HOIST, CHAIN	$176	3950	1998
0592904	SPIDER, STAGING	$3,595	3950	1982
2157795	CRANE, BUMPER	$3,807	3950	2005
0594231	COMEALONG	$250	3950	1983
0594302	CRANE, MOBILE HYDRAULIC	$644	3950	1966

0042378	HOIST, CHAIN	$270	3950	1997
0752446	SPIDER, STAGING	$1,285	3950	1965
0042100	HOIST, LEVER	$650	3950	1997
2157135	HOIST, CHAIN	$616	3950	2004
1910029	HOIST, CHAIN	$875	3950	1997
1939946	HOIST, CHAIN	$379	3950	1998
1540739	CRANE, CRAWLER MOUNTED	$265,536	3950	1988
1941434	HOIST, CHAIN	$429	3950	2000
0824835	COMEALONG	$217	3950	1987
1940444	HOIST, CHAIN	$383	3950	1999
1940445	HOIST, CHAIN	$383	3950	1999
1941005	HOIST, CHAIN	$995	3950	2000
1941006	HOIST, CHAIN	$995	3950	2000
1941007	HOIST, CHAIN	$995	3950	2000
1941008	HOIST, CHAIN	$995	3950	2000
1223794	COMEALONG	$654	3950	1991
1011561	WINCH, RESCUE W/TRIPOD	$2,013	3950	1990
1323530	CRANE	$202,518	3950	1972
1011954	CRANE, MOBILE HYDRAULIC	$82,018	3950	1990
0034846	HOIST, CHAIN	$395	3950	1996
1939228	HOIST, CHAIN	$257	3950	1998
1223807	HOIST, CHAIN	$197	3950	1992
1223808	HOIST, CHAIN	$197	3950	1992
1940823	HOIST, CHAIN	$1,855	3950	1999
1940822	HOIST, CHAIN	$1,855	3950	1999
1223795	COMEALONG	$654	3950	1991
0034684	CRANE, TRUCK MOUNTED, HYD.	$98,912	3950	1978
1912851	HOIST, CHAIN	$1,670	3950	1998
1941676	HOIST, CHAIN	$1,800	3950	2001
1941677	HOIST, CHAIN	$3,000	3950	2001
1941678	HOIST, CHAIN	$1,930	3950	2001
1912837	HOIST, CHAIN	$1,081	3950	1998
0036757	COMEALONG	$245	3950	1992
1912872	HOIST, CHAIN	$271	3950	1998
1940852	HOIST, CHAIN	$189	3950	1999
1323216	CRANE, BUMPER	$1,427	3950	1993

1940853	HOIST, CHAIN	$189	3950	1999		
1940854	HOIST, CHAIN	$279	3950	1999		
1012224	COMEALONG	$198	3950	1990		
1940671	HOIST, CHAIN	$689	3950	1999		
1940668	HOIST, CHAIN	$1,541	3950	1999		
1940666	HOIST, CHAIN	$635	3950	1999		
1940669	HOIST, CHAIN	$1,119	3950	1999		
1940670	HOIST, CHAIN	$1,350	3950	1999		
1912426	CRANE, HYDRAULIC 1/2 TON	$910	3950	1997		
1173388	HOIST, CHAIN	$651	3950	1991		
2156995	HOIST, LEVER	$203	3950	2003		
2156996	HOIST, LEVER	$203	3950	2003		
1910033	HOIST, CHAIN	$382	3950	1997		
1910034	HOIST, CHAIN	$382	3950	1997		
1541591	CRANE, BOOM	$2,307	3950	1996		
2156997	HOIST, LEVER	$326	3950	2003		
2156998	HOIST, LEVER	$326	3950	2003		
2156999	HOIST, LEVER	$638	3950	2003		
2157000	HOIST LEVER	$638	3950	2003		
1940672	HOIST, CHAIN	$689	3950	1999		
1939635	HOIST, CHAIN	$364	3950	1997		
	TOTAL LINE ITEMS 99	**$864,048**			$864,048	99
Federal Supply Classification 3960 - Freight Elevator						
0591815	FORK LEVATOR	$16,060	3960	1984		
	TOTAL LINE ITEMS 1	**$16,060**			$16,060	1
Federal Supply Classification 3990 - Miscellaneous Materials Handling Equipment						
1941217	LIFTGATE	$1,800	3990	2000		
2156165	LIFTGATE	$2,049	3990	2002		
1940849	LIFTGATE	$1,517	3990	1999		
1940687	LIFTGATE	$1,845	3990	1999		
	TOTAL LINE ITEMS 4	**$7,211**			$7,211	4
Federal Supply Classification 4110 - Refrigeration Equipment						
2155854	ICE MAKING MACHINE	$2,413	4110	2002		

2158257	ICE MAKING MACHINE	$2,929	4110	2006		
1940396	ICE MAKING MACHINE	$2,490	4110	1999		
2157118	ICE MAKING MACHINE	$2,492	4110	2002		
2156103	ICE MAKING MACHINE	$2,492	4110	2002		
1540263	ICE MAKING MACHINE	$2,476	4110	1995		
1540402	ICE MAKING MACHINE	$1,529	4110	1995		
1941009	ICE MAKING MACHINE	$1,412	4110	2000		
1941793	ICE MAKING MACHINE	$1,580	4110	2001		
2157406	ICE MAKING MACHINE	$1,954	4110	2004		
1912824	ICE MAKING MACHINE	$2,455	4110	1998		
1322748	ICE MAKING MACHINE	$1,276	4110	1992		
2157416	ICE MAKING MACHINE	$1,985	4110	2004		
1941325	ICE MAKING MACHINE	$2,150	4110	2000		
2156184	ICE MAKING MACHINE	$4,028	4110	2002		
2158101	ICE MAKING MACHINE	$889	4110	2006		
2158158	ICE MAKING MACHINE	$2,389	4110	2006		
1940371	ICE MAKING MACHINE	$2,808	4110	1998		
2156069	ICE MAKING MACHINE	$1,688	4110	2002		
2156800	ICE MAKING MACHINE	$1,681	4110	2003		
	TOTAL LINE ITEMS 20	**$43,116**			$43,116	20

Federal Supply Classification 4120 - Air Conditioning Equipment

1939904	AIR CONDITIONER	$3,000	4120	1993		
1939905	AIR CONDITIONER	$3,000	4120	1993		
0132870	AIR CONDITIONER, PORTABLE	$2,296	4120	1987		
0132871	AIR CONDITIONER, PORTABLE	$2,296	4120	1987		
2157315	CHILLER, TRAILER MOUNTED	$206,500	4120	2004		
2157681	AIR CONDITIONER, PORTABLE	$3,223	4120	2005		
2157682	AIR CONDITIONER, PORTABLE	$3,223	4120	2005		
2157683	AIR CONDITIONER, PORTABLE	$3,223	4120	2005		
2157684	AIR CONDITIONER, PORTABLE	$3,223	4120	2005		
2157685	AIR CONDITIONER, PORTABLE	$3,223	4120	2005		
2158038	AIR CONDITIONER, PORTABLE	$4,195	4120	2005		
2158076	AIR CONDITIONER, PORTABLE	$6,795	4120	2005		
2158081	CHILLER, TRAILER MOUNTED	$194,150	4120	2006		
2158102	AIR CONDITIONER, PORTABLE	$12,449	4120	2006		

	TOTAL LINE ITEMS 14	**$450,796**			$450,796	14

Federal Supply Classification 4130 - Refrigeration and Air Conditioning Components

2155809	REFRIGERANT RECOVERY UNIT	$690	4130	2002		
1623972	REFRIGERANT RECOVERY UNIT	$650	4130	2004		
1623973	REFRIGERANT RECOVERY UNIT	$650	4130	2004		
1941583	REFRIGERANT RECOVERY UNIT	$650	4130	2001		
1941584	REFRIGERANT RECOVERY UNIT	$650	4130	2001		
2157787	REFRIGERANT RECOVERY UNIT	$650	4130	2005		
2157610	REFRIGERANT RECOVERY UNIT	$650	4130	2005		
2157611	REFRIGERANT RECOVERY UNIT	$650	4130	2005		
1940115	REFRIGERANT RECOVERY UNIT	$662	4130	1998		
	TOTAL LINE ITEMS 9	**$5,902**			$5,902	9

Federal Supply Classification - 4140 - Fans, Air Circulators and Blower Equipment

2157807	FAN, EVAPORATIVE COOLING	$2,089	4140	2005		
2157811	FAN, EVAPORATIVE COOLING	$2,089	4140	2005		
2157806	FAN, EVAPORATIVE COOLING	$2,264	4140	2005		
2157810	FAN, EVAPORATIVE COOLING	$2,264	4140	2005		
2157808	FAN, EVAPORATIVE COOLING	$2,089	4140	2005		
2157809	FAN, EVAPORATIVE COOLING	$2,264	4140	2005		
1012232	BLOWER, PORTABLE FISH TAPE	$371	4140	1990		
1172625	BLOWER, EXHAUST	$1,791	4140	1990		
	TOTAL LINE ITEMS 8	**$15,221**			$15,221	8

Federal Supply Classification 4210 - Fire Fighting Equipment

L006055	TRUCK, FIRE FIGHTING	$0	4210	1977		
L009440	TRUCK, FIRE FIGHTING	$0	4210	1980		
0289804	TRUCK, FIRE FIGHTING	$126,820	4210	1985		
1322537	TRUCK, FIRE FIGHTING	$68,790	4210	1992		
1224331	SMOKE MACHINE	$711	4210	1992		
1940402	TRUCK, FIRE FIGHTING	$172,762	4210	1985		
1225154	TRUCK, FIRE FIGHTING	$222,362	4210	1992		
	TOTAL LINE ITEMS 7	**$591,445**			$591,445	7

Federal Supply Classification 4240 - Safety and Rescue Equipment

G033844	RESCUE & UTILITY SYSTEM	$1,478	4240	1988		
2158221	CUTTER, CONFINED SPACE	$4,296	4240	2006		
2158222	SPREADER	$4,532	4240	2006		
2158223	CUTTER	$2,948	4240	2006		
2158224	RAM	$1,740	4240	2006		
2158225	RAM	$1,740	4240	2006		
2158226	RAM	$2,092	4240	2006		
2158227	RAM	$2,092	4240	2006		
1910667	CYLINDER, RAM RESCUE EXTENSION	$1,150	4240	1987		
0133611	REEL, HOSE ELECTRIC	$1,735	4240	1987		
1910669	POWER PACK	$970	4240	1985		
1910668	SPREADER, HYDRAULIC, PORTABLE	$4,000	4240	1985		
1323307	SPREADER, JAWS RESCUE	$3,592	4240	1993		
1323308	POWER UNIT, JAWS RESCUE	$2,502	4240	1993		
1323309	CUTTER, HYDRAULIC, PORTABLE	$2,094	4240	1993		
1910666	CUTTER, HYDRAULIC, PORTABLE	$4,000	4240	1985		
2156112	SAW,RESCUE	$1,100	4240	2002		
	TOTAL LINE ITEMS 17	**$42,061**			$42,061	17

Federal Supply Classifications 4310/4320/4330 - Pumps and Compressors

G032561	COMPRESSOR, AIR PORTABLE	$130	4310	1988
1940154	PUMP, VACUUM	$654	4310	1998
1940188	COMPRESSOR, AIR	$1,699	4310	1998
0015124	COMPRESSOR, AIR PORTABLE	$1,142	4310	1988
0015125	COMPRESSOR, AIR PORTABLE	$1,142	4310	1988
2158236	PUMP, VACUUM	$618	4310	2006
0132586	COMPRESSOR, AIR PORTABLE	$11,000	4310	1987
0132931	COMPRESSOR, AIR PORTABLE	$16,885	4310	1987
2157309	COMPRESSOR, AIR	$1,789	4310	1997
1940918	COMPRESSOR, AIR	$1,789	4310	1999
2157788	PUMP, VACUUM	$329	4310	2005
0397136	PUMP, VACUUM	$1,985	4310	1986
2157320	COMPRESSOR, AIR	$1,735	4310	2004
1941268	COMPRESSOR, AIR	$199	4310	2000
0590962	COMPRESSOR, AIR PORTABLE	$640	4310	1975

1540338	COMPRESSOR, AIR	$2,333	4310	1995
0752067	COMPRESSOR, AIR PORTABLE	$6,480	4310	1984
0752332	COMPRESSOR, AIR PORTABLE	$585	4310	1984
0753421	PUMP, ELECTRIC	$1,075	4310	1985
1223563	PUMP, AIR SAMPLING	$447	4310	1991
1539252	COMPRESSOR, AIR PORTABLE	$804	4310	1995
0132930	COMPRESSOR, AIR PORTABLE	$16,885	4310	1987
1322887	COMPRESSOR, AIR PORTABLE	$549	4310	1992
1012119	COMPRESSOR, AIR PORTABLE	$579	4310	1990
1012447	COMPRESSOR, AIR	$627	4310	1990
1223565	PUMP, AIR SAMPLING	$447	4310	1991
1223566	PUMP, AIR SAMPLING	$447	4310	1991
1541256	COMPRESSOR, AIR PORTABLE	$699	4310	1996
1324504	COMPRESSOR, AIR	$20,749	4310	1993
G033733	PUMP, TWO-STAGE HIGH VACUUM	$1,305	4310	1988
1940112	COMPRESSOR, AIR	$2,278	4310	1998
1225184	PUMP, CHEMICAL TRANSFER	$1,305	4320	1992
1622840	RAM KIT, HYDRAULIC, 10-TON	$389	4320	2000
1912150	PUMP, TRASH	$684	4320	1997
1910166	PUMP, CENTRIFUGAL	$12,100	4320	1992
1542247	PUMP, 2" DIAPHRAGM	$1,240	4320	1996
1542248	PUMP, 2" DIAPHRAGM	$1,240	4320	1996
0396543	PUMP, MULTI-PRES BUCKET	$422	4320	1986
1224980	PUMP, CENTRIFUGAL	$376	4320	1992
1539495	PUMP, CENTRIFUGAL, PORTABLE	$869	4320	1995
0592442	PUMP, POWER DIAPHRAGM	$995	4320	1984
0593198	PUMP, CENTRIFUGAL	$548	4320	1981
0752898	PUMP, HYDRAULIC	$1,180	4320	1981
1939116	PUMP, CENTRIFUGAL, PORTABLE	$202	4320	1998
1939117	PUMP, CENTRIFUGAL, PORTABLE	$202	4320	1998
1011066	PUMP, PORTABLE GASOLINE	$1,065	4320	1990
1173139	PUMP, SELF-PRIMING DIAPHRAGM	$1,450	4320	1991
1173385	PUMP	$699	4320	1991
1223815	PUMP, CENTRIFUGAL	$388	4320	1992
1324047	PUMP, FLOATING FIRE	$1,195	4320	1993
1541741	PUMP, DIAPHRAGM	$1,635	4320	1996

1940631	PUMP, ELECTRIC	$4,825	4320	1999		
2155985	PUMP,TRASH	$1,720	4320	2002		
2156000	PUMP,TRASH	$1,640	4320	2002		
G033126	OIL FILTERING SYSTEM	$3,787	4330	1989		
0593203	PUMP, OIL SKIMMER	$819	4330	1981		
1012137	PUMP, TRASH	$2,135	4330	1990		
	TOTAL LINE ITEMS 57	**$141,135**			$141,135	57

Federal Supply Classification 4460 - Air Purification Equipment

0824848	AIR CLEANER	$2,126	4460	1988		
2158062	DUCT CLEANING SYSTEM	$9,500	4460	2005		
	TOTAL LINE ITEMS 2	**$11,626**			$11,626	2

Federal Supply Classification - 4520 Space and Water Heating Equipment

0016445	HEATER, PORTABLE	$450	4520	1989		
G033001	HEATER, PORTABLE	$449	4520	1988		
	TOTAL LINE ITEMS 2	**$899**			$899	2

Federal Supply Classification 4530 - Fuel Burning Equipment Units

2155715	HEATER, PORTABLE OIL	$350	4530	2001		
	TOTAL LINE ITEMS 1	**$350**			$350	1

Federal Supply Classification 4540 - Waste Disposal Equipment

1324569	RODDER MACHINE	$3,747	4540	1994		
1912158	CLEANER, DRAIN	$1,648	4540	1997		
0752935	CLEANER, DRAIN	$333	4540	1984		
1323918	CLEANER, DRAIN	$1,948	4540	1993		
	TOTAL LINE ITEMS 4	**$7,676**			$7,676	4

Federal Supply Classification 4630 - Sewage Treatment Equipment

1940226	AERATOR, PORTABLE	$12,300	4630	1999		
	TOTAL LINE ITEMS 1	**$12,300**			$12,300	1

Federal Supply Classification 4910/4920/4930/4940 - Motor Vehicle Maintenance and Repair Shop Equipment

G033696	JACK, TRANSMISSION 1000 LB.	$542	4910	1988
0824844	GUN, GREASE, AIR OPERATED	$654	4930	1988

2155710	WASHER, PRESSURE	$570	4940	2001
2155711	WASHER, PRESSURE	$570	4940	2001
G033256	BLASTING TOOL, PORTABLE ABRASI	$675	4940	1988
G033503	FOGGER, TRI-JET	$180	4940	1988
G033504	FOGGER, TRI-JET	$180	4940	1988
G034859	PLATFORM, SERVICING TRACTOR MT	$35,945	4940	1989
2157933	WASHER, PRESSURE	$399	4940	2005
2157934	WASHER, PRESSURE	$399	4940	2005
2158187	WASHER, PRESSURE	$399	4940	2005
2157937	WASHER, PRESSURE	$399	4940	2005
2157938	WASHER, PRESSURE	$399	4940	2005
2158196	CART, OIL FILTERING	$1,933	4940	2006
1325441	WASHER, PARTS	$1,762	4940	1995
1912751	LIFT, MAN	$112,151	4940	1998
1323855	WASHER, PARTS	$1,425	4940	1993
2157301	STRIPING MACHINE	$3,995	4940	2004
0133588	PLATFORM, SERVICING	$2,152	4940	1987
0144843	PLATFORM, SERVICING TRACTOR MT	$24,000	4940	1987
1910672	BLAST, CLEANING MACHINE	$2,375	4940	1986
1912165	WASHER, PRESSURE	$3,600	4940	1997
1941638	WASHER, PRESSURE	$895	4940	2001
2157325	WASHER, PRESSURE	$1,350	4940	2004
2157216	A-FRAME, PORTABLE; ADJUSTABLE	$2,000	4940	1994
2157664	LIFT, BOOM	$46,950	4940	2005
0593651	EXTRACTOR, OIL & WATER	$143	4940	1980
0752952	PLATFORM, SERVICING TRACTOR MT	$30,887	4940	1980
0753135	SEWERODER, RODER COIL	$2,925	4940	1967
0824816	DISPENSER, COLORANT TURNTABLE	$870	4940	1988
1624170	PULLER, CARPET; POWERED	$1,540	4940	2005
1540738	WASHER, PRESSURE	$1,225	4940	1996
1940592	WASHER, PRESSURE	$1,530	4940	1999
G032989	BLOWER, ELECTRIC, PORTABLE	$70	4940	1988
1912204	PIPE INSPECTION TOOL	$5,902	4940	1997
2156538	CHANGER, TIRE	$4,879	4940	2003
G034633	WASHER, PRESSURE	$995	4940	1989
1173136	CLEANER, STEAM OIL-FIRED	$1,920	4940	1991

1223676	BLAST, CLEANING SYSTEM	$1,134	4940	1991		
1223761	OIL STORAGE SYSTEM	$3,105	4940	1992		
1941675	SHAKER,PAINT	$500	4940	2001		
1322982	BLOWER, GAS, PORTABLE	$444	4940	1993		
2156347	CRUSHER, OIL FILTER	$100	4940	1996		
2156348	BOOTH, SAND BLAST	$1,000	4940	2001		
1323351	SHAKER, PAINT	$1,556	4940	1993		
1323505	PULLER, CABLE	$2,430	4940	1993		
1940588	PLATFORM, SERVICING TRACTOR MT	$123,164	4940	1993		
1940682	WASHER, PRESSURE	$2,158	4940	1999		
1324856	CRUSHER, OIL FILTER	$1,330	4940	1994		
1911024	WASHER, PRESSURE	$437	4940	1997		
2156376	LIFT, PERSONNEL BOOM	$133,550	4940	2003		
	TOTAL LINE ITEMS 51	**$569,693**			$569,693	51

Federal Supply Classification 5210 - Measuring Tools

0014797	MICROMETER, SCREW THREAD	$198	5210	1987		
0014838	MICROMETER, SCREW THREAD	$160	5210	1987		
0014839	MICROMETER, SCREW THREAD	$160	5210	1987		
0014840	MICROMETER, SCREW THREAD	$220	5210	1987		
0014841	MICROMETER, SCREW THREAD	$220	5210	1987		
0014842	MICROMETER, SCREW THREAD	$262	5210	1987		
0014843	MICROMETER, SCREW THREAD	$262	5210	1987		
0133016	MICROMETER SET	$363	5210	1987		
0133018	GAGE BLOCK SET	$1,090	5210	1987		
0133020	CALIPER, DIAL	$123	5210	1987		
0133023	MICROMETER SET	$82	5210	1987		
0133024	MICROMETER SET	$82	5210	1987		
0591367	MICROMETER SET	$1,260	5210	1966		
2156531	LEVEL, AUTOMATIC	$1,008	5210	2003		
0753318	COUNTER, WIRE & CABLE	$435	5210	1981		
1323236	MICROMETER, BENCH	$1,311	5210	1993		
0014798	MICROMETER, SCREW THREAD	$198	5210	1987		
	TOTAL LINE ITEMS 17	**$7,434**			$7,434	17

Federal Supply Classification 5410 - Prefabricated and Portable Buildings

1910798	BUILDING, PORTABLE	$1,700	5410	1980		
1910800	BUILDING, PORTABLE	$672	5410	1979		
0753292	BUILDING, PORTABLE	$1,600	5410	1980		
1173409	BUILDING, PORTABLE	$2,880	5410	1987		
1173410	BUILDING, PORTABLE	$2,880	5410	1987		
1910799	BUILDING, PORTABLE	$1,000	5410	1980		
0824692	TRAILER PORTABLE DARK ROOM	$12,300	5410	1988		
	TOTAL LINE ITEMS 7	**$23,032**			$23,032	7

Federal Supply Classification 5430 - Storage Tanks

G034272	TANK BALLAST	$21,213	5430	1967		
1910650	BASKET, PERSONNEL	$4,055	5450	1997		
	TOTAL LINE ITEMS 2	**$25,268**			$25,268	2

Federal Supply Classification 5805 - Telephone Equipment

1911650	TELEPHONE, VIDEO	$3,077	5805	1997		
1911529	TELEPHONE, VIDEO	$3,077	5805	1997		
1911628	TELEPHONE, VIDEO	$3,077	5805	1997		
1911652	TELEPHONE, VIDEO	$3,077	5805	1997		
1911653	TELEPHONE, VIDEO	$3,077	5805	1997		
1911244	TELEPHONE, VIDEO	$3,250	5805	1997		
	TOTAL LINE ITEMS 6	**$18,635**			$18,635	6

Federal Supply Classification 5815 - Teletype and Facsimile Equipment

2157445	FACSIMILE MACHINE	$500	5815	2004		
2156276	FACSIMILE MACHINE	$585	5815	2002		
2156277	FACSIMILE MACHINE	$585	5815	2002		
2157176	FACSIMILE MACHINE	$588	5815	2004		
2156133	FACSIMILE MACHINE	$170	5815	2002		
1941986	FACSIMILE MACHINE	$451	5815	2001		
2156261	FACSIMILE MACHINE	$585	5815	2002		
	TOTAL LINE ITEMS 7	**$3,464**			$3,464	7

Federal Supply Classification 5820 - Radio and Television Communication Equipment

0042331	RADIO, PORTABLE	$2,137	5820	1997		

0042330	RADIO, PORTABLE	$2,137	5820	1997
1623832	RADIO, PORTABLE	$2,720	5820	2004
1623320	RADIO, PORTABLE	$3,226	5820	2003
1623321	RADIO, PORTABLE	$3,226	5820	2003
1623322	RADIO, PORTABLE	$3,226	5820	2003
1224441	RADIO, CB	$170	5820	1992
1623033	TRANSMITTER, MICROPHONE	$299	5820	2002
1623034	RECEIVER, MICROPHONE	$200	5820	2002
1623035	TRANSMITTER, MICROPHONE	$299	5820	2002
1623036	RECEIVER, MICROPHONE	$200	5820	2002
0036627	RADIO, PORTABLE	$2,263	5820	1992
1623323	RADIO, PORTABLE	$3,226	5820	2003
0014891	DISPLAY UNIT	$1,000	5820	1987
1623325	RADIO, PORTABLE	$3,226	5820	2003
2158200	STATION, WEATHER	$611	5820	2006
1623204	RADIO, PORTABLE	$293	5820	2002
1623205	RADIO, PORTABLE	$293	5820	2002
1623206	RADIO, PORTABLE	$293	5820	2002
1623207	RADIO, PORTABLE	$293	5820	2002
0034324	RADIO, PORTABLE	$2,217	5820	1995
0034323	RADIO, PORTABLE	$2,217	5820	1995
0034440	RADIO, PORTABLE	$2,164	5820	1996
1623326	RADIO, PORTABLE	$3,226	5820	2003
1622700	RADIO, PORTABLE	$2,164	5820	1996
0034438	RADIO, PORTABLE	$2,164	5820	1996
0034437	RADIO, PORTABLE	$2,164	5820	1996
1622793	RADIO, PORTABLE	$2,217	5820	1995
1623328	RADIO, PORTABLE	$3,226	5820	2003
0041950	RADIO, PORTABLE	$2,364	5820	1996
0041951	RADIO, PORTABLE	$2,364	5820	1996
1622646	RADIO, PORTABLE	$2,137	5820	1997
1623111	RADIO, PORTABLE	$2,137	5820	1997
0042153	RADIO, PORTABLE	$2,137	5820	1997
1623544	TRANCEIVER, VHF MARINE	$1,007	5820	2003
0034378	RADIO, PORTABLE	$2,407	5820	1995
0036264	RADIO, MOBILE	$969	5820	1992

0036268	RADIO, MOBILE	$969	5820	1992
1623157	RADIO, PORTABLE	$293	5820	2002
1622212	RADIO, PORTABLE	$169	5820	1997
1622211	RADIO, PORTABLE	$169	5820	1997
1622210	RADIO, PORTABLE	$169	5820	1997
1622209	RADIO, PORTABLE	$169	5820	1997
1623158	RADIO, PORTABLE	$293	5820	2002
1623156	RADIO, PORTABLE	$293	5820	2002
1622208	RADIO, PORTABLE	$169	5820	1997
1622942	RADIO, PORTABLE	$169	5820	1997
1622206	RADIO, PORTABLE	$169	5820	1997
1622204	RADIO, PORTABLE	$169	5820	1997
1622699	RADIO, PORTABLE	$169	5820	1997
1622202	RADIO, PORTABLE	$169	5820	1997
1622201	RADIO, PORTABLE	$169	5820	1997
0036258	RADIO, PORTABLE	$969	5820	1992
0036265	RADIO, MOBILE	$1,342	5820	1992
1623695	RADIO, PORTABLE	$2,720	5820	2004
1623696	RADIO, PORTABLE	$2,720	5820	2004
1623697	RADIO, PORTABLE	$2,720	5820	2004
0036162	RADIO, MOBILE	$1,903	5820	1992
0036163	RADIO, MOBILE	$1,903	5820	1992
1623698	RADIO, PORTABLE	$2,720	5820	2004
1623699	RADIO, PORTABLE	$2,720	5820	2004
1224846	RADIO, BASE/CONTROL STATION	$2,513	5820	1992
0036283	RADIO, PORTABLE	$1,753	5820	1992
1623700	RADIO, PORTABLE	$2,720	5820	2004
1623701	RADIO, PORTABLE	$2,720	5820	2004
1623702	RADIO, PORTABLE	$2,720	5820	2004
1623703	RADIO, PORTABLE	$2,720	5820	2004
1623704	RADIO, PORTABLE	$2,720	5820	2004
0036287	RADIO, PORTABLE	$1,753	5820	1992
1623705	RADIO, PORTABLE	$2,720	5820	2004
1623706	RADIO, PORTABLE	$2,720	5820	2004
1623707	RADIO, PORTABLE	$2,720	5820	2004
1623709	RADIO, PORTABLE	$2,720	5820	2004

1623710	RADIO, PORTABLE	$2,720	5820	2004
1623711	RADIO, PORTABLE	$2,720	5820	2004
1623712	RADIO, PORTABLE	$2,720	5820	2004
1623713	RADIO, PORTABLE	$2,720	5820	2004
1623714	RADIO, PORTABLE	$2,720	5820	2004
1623333	RADIO, PORTABLE	$3,226	5820	2003
1623716	RADIO, PORTABLE	$2,720	5820	2004
1623718	RADIO, PORTABLE	$2,720	5820	2004
1623719	RADIO, PORTABLE	$2,720	5820	2004
1623720	RADIO, PORTABLE	$2,720	5820	2004
1623725	RADIO, PORTABLE	$2,720	5820	2004
1173477	MONITOR, 9" COLOR VIDEO	$415	5820	1988
1223501	RADIO, MARINE	$190	5820	1991
1622975	MONITOR,5" LCD	$1,275	5820	2001
1623727	RADIO, PORTABLE	$2,720	5820	2004
1623728	RADIO, PORTABLE	$2,720	5820	2004
1623732	RADIO, PORTABLE	$2,720	5820	2004
1623733	RADIO, PORTABLE	$2,720	5820	2004
1623734	RADIO, PORTABLE	$2,720	5820	2004
1623735	RADIO, PORTABLE	$2,720	5820	2004
1224400	RADIO, CB	$170	5820	1992
1623736	RADIO, PORTABLE	$2,720	5820	2004
1623737	RADIO, PORTABLE	$2,720	5820	2004
1623739	RADIO, PORTABLE	$2,720	5820	2004
1623741	RADIO, PORTABLE	$2,720	5820	2004
1623742	RADIO, PORTABLE	$2,720	5820	2004
1623743	RADIO, PORTABLE	$2,720	5820	2004
1623744	RADIO, PORTABLE	$2,720	5820	2004
0036626	RADIO, PORTABLE	$2,263	5820	1992
1623745	RADIO, PORTABLE	$2,720	5820	2004
1623747	RADIO, PORTABLE	$2,720	5820	2004
1623749	RADIO, PORTABLE	$2,720	5820	2004
1623751	RADIO, PORTABLE	$2,720	5820	2004
1623752	RADIO, PORTABLE	$2,720	5820	2004
1623753	RADIO, PORTABLE	$2,720	5820	2004
1623754	RADIO, PORTABLE	$2,720	5820	2004

1623888	RADIO, PORTABLE	$1,545	5820	1992
1623755	RADIO, PORTABLE	$2,720	5820	2004
1623757	RADIO, PORTABLE	$2,720	5820	2004
1623758	RADIO, PORTABLE	$2,720	5820	2004
1623761	RADIO, PORTABLE	$2,720	5820	2004
1622672	RADIO, PORTABLE	$2,727	5820	1999
1622671	RADIO, PORTABLE	$2,727	5820	1999
1622670	RADIO, PORTABLE	$2,727	5820	1999
0034033	RADIO, PORTABLE	$2,267	5820	1993
1623765	RADIO, PORTABLE	$2,720	5820	2004
1623889	RADIO, PORTABLE	$2,463	5820	1994
1623766	RADIO, PORTABLE	$2,720	5820	2004
1623476	RADIO, PORTABLE	$2,788	5820	2003
1623768	RADIO, PORTABLE	$2,720	5820	2004
1623772	RADIO, PORTABLE	$2,720	5820	2004
0034136	RECEIVER-TRANSMITTER, RADIO	$2,267	5820	1994
1623477	RADIO, PORTABLE	$2,788	5820	2003
1623478	RADIO, PORTABLE	$2,788	5820	2003
1623479	RADIO, PORTABLE	$2,788	5820	2003
0034150	RADIO, PORTABLE	$2,464	5820	1994
1623480	RADIO, PORTABLE	$2,788	5820	2003
1623773	RADIO, PORTABLE	$2,720	5820	2004
1623481	RADIO, PORTABLE	$2,788	5820	2003
1623482	RADIO, PORTABLE	$2,788	5820	2003
1623312	RADIO, PORTABLE	$3,226	5820	2003
1623774	RADIO, PORTABLE	$2,720	5820	2004
1623483	RADIO, PORTABLE	$2,788	5820	2003
1623351	RADIO, PORTABLE	$3,226	5820	2003
1623313	RADIO, PORTABLE	$3,226	5820	2003
1623775	RADIO, PORTABLE	$2,720	5820	2004
1623776	RADIO, PORTABLE	$2,720	5820	2004
1623484	RADIO, PORTABLE	$2,788	5820	2003
1623777	RADIO, PORTABLE	$2,720	5820	2004
1622653	RADIO, PORTABLE	$2,157	5820	1995
1623778	RADIO, PORTABLE	$2,720	5820	2004
1623485	RADIO, PORTABLE	$2,788	5820	2003

1623779	RADIO, PORTABLE	$2,720	5820	2004
1623781	RADIO, PORTABLE	$2,720	5820	2004
1623782	RADIO, PORTABLE	$2,720	5820	2004
1623783	RADIO, PORTABLE	$2,720	5820	2004
1623785	RADIO, PORTABLE	$2,720	5820	2004
1623786	RADIO, PORTABLE	$2,720	5820	2004
1623787	RADIO, PORTABLE	$2,720	5820	2004
1623788	RADIO, PORTABLE	$2,720	5820	2004
1623486	RADIO, PORTABLE	$2,788	5820	2003
1623789	RADIO, PORTABLE	$2,720	5820	2004
1623790	RADIO, PORTABLE	$2,720	5820	2004
1623487	RADIO, PORTABLE	$2,788	5820	2003
1623793	RADIO, PORTABLE	$2,720	5820	2004
1623795	RADIO, PORTABLE	$2,720	5820	2004
1623314	RADIO, PORTABLE	$3,226	5820	2003
1623488	RADIO, PORTABLE	$2,788	5820	2003
1623489	RADIO, PORTABLE	$2,788	5820	2003
1623802	RADIO, PORTABLE	$2,720	5820	2004
1623490	RADIO, PORTABLE	$2,788	5820	2003
1539868	RADIO, MOBILE	$2,400	5820	1995
1539869	RADIO, MOBILE	$2,400	5820	1995
1623491	RADIO, PORTABLE	$2,788	5820	2003
1623803	RADIO, PORTABLE	$2,720	5820	2004
1623804	RADIO, PORTABLE	$2,720	5820	2004
1623805	RADIO, PORTABLE	$2,720	5820	2004
1623492	RADIO, PORTABLE	$2,788	5820	2003
0042334	RADIO, PORTABLE	$2,137	5820	1997
0042333	RADIO, PORTABLE	$2,137	5820	1997
0042332	RADIO, PORTABLE	$2,137	5820	1997
1623493	RADIO, PORTABLE	$2,788	5820	2003
1623812	RADIO, PORTABLE	$2,720	5820	2004
1623315	RADIO, PORTABLE	$3,226	5820	2003
1623815	RADIO, PORTABLE	$2,720	5820	2004
1623818	RADIO, PORTABLE	$2,720	5820	2004
1623494	RADIO, PORTABLE	$2,788	5820	2003
1623316	RADIO, PORTABLE	$3,226	5820	2003

1623821	RADIO, PORTABLE	$2,720	5820	2004
1623822	RADIO, PORTABLE	$2,720	5820	2004
1623824	RADIO, PORTABLE	$2,720	5820	2004
1623495	RADIO, PORTABLE	$2,788	5820	2003
1623825	RADIO, PORTABLE	$2,720	5820	2004
1623826	RADIO, PORTABLE	$2,720	5820	2004
1623317	RADIO, PORTABLE	$3,226	5820	2003
1623496	RADIO, PORTABLE	$2,788	5820	2003
1623497	RADIO, PORTABLE	$2,788	5820	2003
1623498	RADIO, PORTABLE	$2,788	5820	2003
1623499	RADIO, PORTABLE	$2,788	5820	2003
1623500	RADIO, PORTABLE	$2,788	5820	2003
1623501	RADIO, PORTABLE	$2,788	5820	2003
1623318	RADIO, PORTABLE	$3,226	5820	2003
1623319	RADIO, PORTABLE	$3,226	5820	2003
1623502	RADIO, PORTABLE	$2,788	5820	2003
1623503	RADIO, PORTABLE	$2,788	5820	2003
1623504	RADIO, PORTABLE	$2,466	5820	2003
1623339	RADIO, PORTABLE	$3,226	5820	2003
1623332	RADIO, PORTABLE	$3,226	5820	2003
1623334	RADIO, PORTABLE	$3,226	5820	2003
1623335	RADIO, PORTABLE	$3,226	5820	2003
1623336	RADIO, PORTABLE	$3,226	5820	2003
1623337	RADIO, PORTABLE	$3,226	5820	2003
1623338	RADIO, PORTABLE	$3,226	5820	2003
1623344	RADIO, PORTABLE	$3,226	5820	2003
1623350	RADIO, PORTABLE	$3,226	5820	2003
1623352	RADIO, PORTABLE	$3,226	5820	2003
1623353	RADIO, PORTABLE	$3,226	5820	2003
1623354	RADIO, PORTABLE	$3,226	5820	2003
1623355	RADIO, PORTABLE	$3,226	5820	2003
1623356	RADIO, PORTABLE	$3,226	5820	2003
1623357	RADIO, PORTABLE	$3,226	5820	2003
1623358	RADIO, PORTABLE	$3,226	5820	2003
1623359	RADIO, PORTABLE	$3,226	5820	2003
1623360	RADIO, PORTABLE	$3,226	5820	2003

1623361	RADIO, PORTABLE	$3,226	5820	2003
1623362	RADIO, PORTABLE	$3,226	5820	2003
1623363	RADIO, PORTABLE	$3,226	5820	2003
1623364	RADIO, PORTABLE	$3,226	5820	2003
1623365	RADIO, PORTABLE	$3,226	5820	2003
1623366	RADIO, PORTABLE	$3,226	5820	2003
1623367	RADIO, PORTABLE	$3,226	5820	2003
1623368	RADIO, PORTABLE	$3,226	5820	2003
1623369	RADIO, PORTABLE	$3,226	5820	2003
1623370	RADIO, PORTABLE	$3,226	5820	2003
1623371	RADIO, PORTABLE	$3,226	5820	2003
1623372	RADIO, PORTABLE	$3,226	5820	2003
1623373	RADIO, PORTABLE	$3,226	5820	2003
1623374	RADIO, PORTABLE	$3,226	5820	2003
1623375	RADIO, PORTABLE	$3,226	5820	2003
1623376	RADIO, PORTABLE	$3,226	5820	2003
1623377	RADIO, PORTABLE	$3,226	5820	2003
1623378	RADIO, PORTABLE	$3,226	5820	2003
1623379	RADIO, PORTABLE	$3,226	5820	2003
1623380	RADIO, PORTABLE	$3,226	5820	2003
1623383	RADIO, PORTABLE	$3,226	5820	2003
1623385	RADIO, PORTABLE	$3,226	5820	2003
1623387	RADIO, PORTABLE	$3,226	5820	2003
1623388	RADIO, PORTABLE	$3,226	5820	2003
1623390	RADIO, PORTABLE	$3,226	5820	2003
1623391	RADIO, PORTABLE	$3,226	5820	2003
1623392	RADIO, PORTABLE	$3,226	5820	2003
1623395	RADIO, PORTABLE	$3,226	5820	2003
1623396	RADIO, PORTABLE	$3,226	5820	2003
1623397	RADIO, PORTABLE	$3,226	5820	2003
1623398	RADIO, PORTABLE	$3,226	5820	2003
1623400	RADIO, PORTABLE	$3,226	5820	2003
1623402	RADIO, PORTABLE	$3,226	5820	2003
1623404	RADIO, PORTABLE	$3,226	5820	2003
1623411	RADIO, PORTABLE	$3,226	5820	2003
1623412	RADIO, PORTABLE	$3,226	5820	2003

1623413	RADIO, PORTABLE	$3,226	5820	2003		
1623414	RADIO, PORTABLE	$3,226	5820	2003		
1623415	RADIO, PORTABLE	$3,226	5820	2003		
1623416	RADIO, PORTABLE	$3,226	5820	2003		
1623418	RADIO, PORTABLE	$3,226	5820	2003		
1623419	RADIO, PORTABLE	$3,226	5820	2003		
1623421	RADIO, PORTABLE	$3,226	5820	2003		
1623422	RADIO, PORTABLE	$3,226	5820	2003		
1623426	RADIO, PORTABLE	$3,226	5820	2003		
1623427	RADIO, PORTABLE	$3,226	5820	2003		
1623429	RADIO, PORTABLE	$3,226	5820	2003		
1623431	RADIO, PORTABLE	$3,226	5820	2003		
1623432	RADIO, PORTABLE	$3,226	5820	2003		
1623433	RADIO, PORTABLE	$3,226	5820	2003		
1623434	RADIO, PORTABLE	$3,226	5820	2003		
1623435	RADIO, PORTABLE	$3,226	5820	2003		
1623438	RADIO, PORTABLE	$3,226	5820	2003		
1623439	RADIO, PORTABLE	$3,226	5820	2003		
1623441	RADIO, PORTABLE	$3,226	5820	2003		
1623442	RADIO, PORTABLE	$3,226	5820	2003		
1623444	RADIO, PORTABLE	$3,226	5820	2003		
1623445	RADIO, PORTABLE	$3,226	5820	2003		
1623446	RADIO, PORTABLE	$3,226	5820	2003		
1623447	RADIO, PORTABLE	$3,226	5820	2003		
1623448	RADIO, PORTABLE	$3,226	5820	2003		
1623449	RADIO, PORTABLE	$3,226	5820	2003		
1623450	RADIO, PORTABLE	$3,226	5820	2003		
1623828	RADIO, PORTABLE	$2,720	5820	2004		
	TOTAL LINE ITEMS 281	**$719,186**			$719,186	281

Federal Supply Classification 5825 - Radio Navigation Equipment

0132627	RADAR MARINE W/4" SCANNER	$5,848	5825	1986		
1624046	POSITIONING SYSTEM, GLOBAL	$342	5825	2005		
1623253	POSITIONING SYSTEM, GLOBAL	$310	5825	2003		
1623254	POSITIONING SYSTEM, GLOBAL	$310	5825	2003		
1623255	POSITIONING SYSTEM, GLOBAL	$2,347	5825	2003		

1623256	POSITIONING SYSTEM, GLOBAL	$2,347	5825	2003		
	TOTAL LINE ITEMS 6	**$11,504**			$11,504	6

Federal Supply Classification - 5835 Sound Recording and Reproducing Equipment

G032915	RECORDER-REPRODUCER, SOUND	$40	5835	1988		
2155784	DUPLICATOR,CD	$2,487	5835	2002		
0014913	RECORDER-REPRODUCER, SOUND	$67	5835	1988		
0015691	RECORDER-REPRODUCER, SOUND	$50	5835	1988		
0015962	RECORDER-REPRODUCER, SOUND	$144	5835	1989		
0132712	RECORDER-REPRODUCER, SOUND	$72	5835	1987		
1539316	RECORDER-REPRODUCER, SOUND	$150	5835	1987		
0034923	RECORDER-REPRODUCER, SOUND	$46	5835	1996		
0034306	RECORDER-REPRODUCER, SOUND	$139	5835	1995		
0818671	RECORDER-REPRODUCER, SOUND	$95	5835	1990		
0594182	RECORDER-REPRODUCER, SOUND	$53	5835	1973		
0036102	RECORDER-REPRODUCER, SOUND	$179	5835	1992		
0812459	RECORDER-REPRODUCER, SOUND	$75	5835	1990		
0042087	RECORDER-REPRODUCER, SOUND	$38	5835	1997		
1622235	RECORDER-REPRODUCER, SOUND	$58	5835	1997		
1323605	RECORDER-REPRODUCER, SOUND	$32	5835	1993		
0812458	RECORDER-REPRODUCER, SOUND	$75	5835	1990		
2156776	RECORDER-REPRODUCER, SOUND	$304	5835	2003		
	TOTAL LINE ITEMS 18	**$4,104**			$4,104	18

Federal Supply Classification - 5836 Video Recording and Reproducing Equipment

1623932	RECORDER-REPRODUCER, VIDEO	$690	5836	2004		
2156417	RECORDER-REPRODUCER, VIDEO	$157	5836	2003		
1623941	CAMCORDER, DIGITAL	$350	5836	2004		
1623946	CAMCORDER, DIGITAL	$350	5836	2004		
G033836	RECORDER-REPRODUCER, VIDEO	$5,345	5836	1988		
2155740	MONITOR, TELEVISION	$150	5836	2002		
2155741	MONITOR, TELEVISION	$150	5836	2002		
1622389	MONITOR, TELEVISION	$133	5836	1997		
2155836	RECORDER-REPRODUCER,VIDEO	$130	5836	2002		
2155903	RECORDER-REPRODUCER,VIDEO	$89	5836	2002		
1224990	RECORDER-REPRODUCER, VIDEO	$385	5836	1992		

0396062	RECORDER-REPRODUCER, VIDEO	$558	5836	1985
1838244	RECORDER	$339	5836	1998
0034308	CAMCORDER	$500	5836	1995
2157588	RECEIVER, AUDIO/VIDEO	$399	5836	2005
2157589	PLAYER, DVD	$130	5836	2005
1542104	MONITOR, TELEVISION	$2,011	5836	1996
2157591	RECEIVER, AUDIO/VIDEO	$2,588	5836	2005
2157613	DUPLICATOR, CD	$2,395	5836	2005
1540196	RECORDER-REPRODUCER, VIDEO	$179	5836	1995
2157675	RECORDER-REPRODUCER, VIDEO	$333	5836	2005
0015149	RECORDER-REPRODUCER, VIDEO	$523	5836	1988
2156589	PLAYER, VIDEO/DVD	$3,620	5836	2003
1540420	RECORDER-REPRODUCER, VIDEO	$389	5836	1995
1541060	RECORDER-REPRODUCER, VIDEO	$188	5836	1996
1540545	MONITOR, TELEVISION	$2,011	5836	1996
1322953	MONITOR, VIDEO RECORDER	$2,275	5836	1993
1223623	RECORDER-REPRODUCER, VIDEO	$227	5836	1991
1941749	PLAYER,CD/DVD	$177	5836	2001
1941750	PLAYER,CD/DVD	$177	5836	2001
0042102	RECORDER-REPRODUCER, VIDEO	$239	5836	1997
1911354	RECORDER-REPRODUCER, VIDEO	$169	5836	1997
1541158	MONITOR, TELEVISION	$2,058	5836	1996
1623913	MONITOR, TELEVISION	$920	5836	2004
0034894	RECORDER-REPRODUCER, VIDEO	$189	5836	1996
1223855	RECORDER-REPRODUCER, VIDEO	$211	5836	1992
1223856	RECORDER-REPRODUCER, VIDEO	$211	5836	1992
1623917	RECORDER-REPRODUCER, VIDEO	$85	5836	2004
1623919	RECORDER-REPRODUCER, VIDEO	$120	5836	2004
0042101	RECORDER-REPRODUCER, VIDEO	$239	5836	1997
1941061	MONITOR, TELEVISION	$236	5836	2000
1941060	MONITOR, TELEVISION	$236	5836	2000
1941059	MONITOR, TELEVISION	$236	5836	2000
2157422	RECORDER-REPRODUCER, VIDEO	$151	5836	2004
1941058	MONITOR, TELEVISION	$236	5836	2000
2157423	RECORDER-REPRODUCER, VIDEO	$151	5836	2004
2158056	RECORDER-REPRODUCER, VIDEO	$70	5836	2005

2157153	RECORDER-REPRODUCER, VIDEO	$345	5836	2004		
1323768	RECORDER-REPRODUCER, VIDEO	$275	5836	1993		
0036095	RECORDER-REPRODUCER, VIDEO	$987	5836	1993		
1941072	MONITOR, TELEVISION	$236	5836	2000		
1941071	MONITOR, TELEVISION	$236	5836	2000		
1670531	CAMCORDER	$1,149	5836	2006		
1622655	CAMCORDER	$1,049	5836	1999		
1622656	RECORDER-REPRODUCER, VIDEO	$1,550	5836	1999		
1939442	RECORDER-REPRODUCER, VIDEO	$299	5836	1998		
1939444	RECORDER-REPRODUCER, VIDEO	$299	5836	1998		
2156706	RECORDER-REPRODUCER, VIDEO	$225	5836	2003		
	TOTAL LINE ITEMS 58	**$39,355**			$39,355	58
Federal Supply Classification 5840 - Radar Equipment						
1324175	RADAR DISPLAY UNIT	$12,953	5840	1993		
0034055	SOUNDER, COLOR VIDEO	$1,193	5840	1993		
	TOTAL LINE ITEMS 2	**$14,146**			$14,146	2
Federal Supply Classification 5865 - Electronic Countermeasures						
0753129	PSYCHRON BATTERY OPERATED	$112	5865	1980		
	TOTAL LINE ITEMS 1	**$112**			$112	1
Federal Supply Classification 5895 - Miscellaneous Communications Equipment						
G033022	POWER SUPPLY	$1,330	5895	1986		
1623011	HEADSET, RADIO-RECEIVER	$1,127	5895	2001		
1623012	HEADSET, RADIO-RECEIVER	$1,127	5895	2001		
	TOTAL LINE ITEMS 3	**$3,584**			$3,584	3
Federal Supply Classification 5950 - Coils and Transformers						
0592426	TRANSFORMER, CURRENT	$741	5950	1984		
0592427	TRANSFORMER, CURRENT	$741	5950	1984		
0592428	TRANSFORMER, CURRENT	$741	5950	1984		
	TOTAL LINE ITEMS 3	**$2,223**			$2,223	3
Federal Supply Classification 6115 - Generators and Generator Sets, Electrical						
2157452	GENERATOR, PORTABLE	$774	6115	2004		
G034369	GENERATOR, DIESEL	$15,930	6115	1989		

0015702	GENERATOR, DIESEL	$11,773	6115	1988
0015703	GENERATOR, DIESEL	$11,773	6115	1988
0015704	GENERATOR, DIESEL	$9,338	6115	1988
0015705	GENERATOR, DIESEL	$9,338	6115	1988
2158220	GENERATOR, PORTABLE	$4,484	6115	2006
1322534	GENERATOR, DIESEL	$21,510	6115	1992
1322588	GENERATOR, DIESEL	$14,511	6115	1992
1324528	GENERATOR, 200KW	$49,440	6115	1987
0396778	GENERATOR	$1,525	6115	1986
0034872	GENERATOR, PORTABLE	$2,287	6115	1996
0415232	GENERATOR, PORTABLE	$1,153	6115	1983
1322528	GENERATOR	$1,534	6115	1989
1940328	GENERATOR, PORTABLE	$1,699	6115	1998
1323374	GENERATOR, PORTABLE	$1,865	6115	1993
1323408	GENERATOR, DIESEL	$35,141	6115	1981
2157875	GENERATOR, DIESEL	$23,225	6115	2005
1323510	GENERATOR	$9,260	6115	1993
1323511	GENERATOR	$8,256	6115	1993
2157918	GENERATOR, PORTABLE	$37,280	6115	2005
2157919	GENERATOR, PORTABLE	$37,280	6115	2005
1012376	GENERATOR, PORTABLE	$674	6115	1990
1323420	GENERATOR, DIESEL	$35,141	6115	1984
2156789	GENERATOR, PORTABLE	$36,500	6115	2003
1173406	GENERATOR, PORTABLE	$915	6115	1991
1323234	GENERATOR, TRAILER	$22,077	6115	1993
1940984	GENERATOR	$798	6115	1994
1324531	GENERATOR, PORTABLE	$49,440	6115	1987
2158116	GENERATOR, PORTABLE	$559	6115	2005
2158117	GENERATOR, PORTABLE	$559	6115	2005
2158118	GENERATOR, PORTABLE	$559	6115	2005
2158119	GENERATOR, PORTABLE	$559	6115	2005
2158120	GENERATOR, PORTABLE	$559	6115	2005
2158121	GENERATOR, PORTABLE	$559	6115	2005
2158122	GENERATOR, PORTABLE	$559	6115	2005
2158123	GENERATOR, PORTABLE	$559	6115	2005
2158124	GENERATOR, PORTABLE	$559	6115	2005

2158125	GENERATOR, PORTABLE	$559	6115	2005		
2158126	GENERATOR, PORTABLE	$559	6115	2005		
2158127	GENERATOR, PORTABLE	$559	6115	2005		
2158128	GENERATOR, PORTABLE	$559	6115	2005		
2158129	GENERATOR, PORTABLE	$559	6115	2005		
2158130	GENERATOR, PORTABLE	$559	6115	2005		
2158131	GENERATOR, PORTABLE	$559	6115	2005		
2158132	GENERATOR, PORTABLE	$559	6115	2005		
2158133	GENERATOR, PORTABLE	$559	6115	2005		
2158134	GENERATOR, PORTABLE	$559	6115	2005		
2158135	GENERATOR, PORTABLE	$559	6115	2005		
1912807	GENERATOR	$35,987	6115	1998		
2156555	GENERATOR, PORTABLE	$18,900	6115	2003		
2156556	GENERATOR, PORTABLE	$18,900	6115	2003		
2156557	GENERATOR, PORTABLE	$22,982	6115	2003		
	TOTAL LINE ITEMS 53	**$562,870**			$562,870	53
Federal Supply Classification 6120 - Transformers, Distribution and Power Stations						
0752895	POWER SUPPLY 40KV	$2,476	6120	1975		
0824825	TRANSFORMER TURN RATIO	$2,440	6120	1988		
	TOTAL LINE ITEMS 2	**$4,916**			$4,916	2
Federal Supply Classification 6125 - Converters, Electrical, Rotating						
0590954	CHARGER, BATTERY	$474	6125	1978		
0752903	IMPULSE UNIT FAULT LOCATE 25KV	$2,253	6125	1975		
	TOTAL LINE ITEMS 2	**$2,727**			$2,727	2
Federal Supply Classification 6130 - Converters, Electrical, Nonrotating						
G032764	CHARGER, BATTERY	$112	6130	1988		
0752914	CHARGER, BATTERY	$515	6130	1980		
0133518	LOADBANK ELECTRICAL	$6,931	6130	1987		
0593767	GENERATOR POWER PLANT	$1,700	6130	1983		
2156007	POWER SUPPLY, UNINTERRUPTIBLE	$1,000	6130	2002		
	TOTAL LINE ITEMS 5	**$10,258**			$10,258	5

Federal Supply Classification 6150 - Miscellaneous Electric Power and Distribution Equipment

1010222	POWER SYSTEM, UNINTERRUPTABLE	$10,947	6150	1989		
1011503	FILTER, MOBILE OIL CARTRIDGE	$3,847	6150	1990		
0042072	INTENSIFIER, DYNAPRESS	$1,595	6150	1989		
	TOTAL LINE ITEMS 3	**$16,389**			$16,389	3

Federal Supply Classification 6210 - Indoor and Outdoor Electric Lighting Fixtures

0590774	LUMINAIRE SURGICAL	$655	6210	1965		
	TOTAL LINE ITEMS 1	**$655**			$655	1

Federal Supply Classification 6230 - Electrical, Portable and Hand Lighting Equipment

0015317	FLOODLIGHT TRAILER MOUNTED	$3,146	6230	1988		
0592982	LIGHTING SYSTEM PORTABLE	$889	6230	1983		
	TOTAL LINE ITEMS 2	**$4,035**			$4,035	2

Federal Supply Classification 6515 - Drugs and Biologicals

0132512	GENERATOR	$2,460	6515	1987
0289631	SUCTION UNIT PORTABLE	$1,063	6515	1985
0590772	HYDROCOLLATOR	$695	6515	1981
0590773	SPYGMOMANOMETER	$82	6515	1981
0590775	SPYGMOMANOMETER	$82	6515	1982
0590797	RESPIRATOR	$494	6515	1982
0592451	ULTRASOUND/STIMULATOR	$2,673	6515	1984
0824405	COUNTER DIFFERENTIAL	$228	6515	1987
0824406	MODULE/CHAIR BLOOD COLLECTING	$505	6515	1987
0824686	SPIROMETER, WATERLESS	$495	6515	1988
0824688	DATAMITE V	$4,495	6515	1988
1224796	BATTERY SUPPORT SYSTEM	$1,218	6515	1992
1322622	SPIROMETER, WATERLESS	$2,980	6515	1992
1322623	COMPUTER/PRINTER, PULMONARY	$1,000	6515	1992
1323081	DEFIBRILLATOR, CARDIAC MONITOR	$7,826	6515	1993
1622794	PUMP, INFUSION	$900	6515	2000
1622795	OXIMETER, PULSE	$1,049	6515	2000
1622877	MONITOR,VITAL SIGN	$942	6515	2001
1624052	SPIROMETER	$2,130	6515	2005
1912207	DEFIBRILLATOR	$3,100	6515	1997

1912208	DEFIBRILLATOR	$3,100	6515	1997
1940414	TESTER, COLOR VISION	$4,210	6515	1999
1940433	TESTER, VISION	$4,590	6515	1999
1940476	TONOMETER	$7,990	6515	1999
1941034	PUMP, SUCTION, PORTABLE	$580	6515	2000
1941125	DEFIBRILLATOR	$3,124	6515	2000
2155961	DEFIBRILLATOR	$2,796	6515	2002
2155962	DEFIBRILLATOR	$2,796	6515	2002
2155963	DEFIBRILLATOR	$2,796	6515	2002
2156128	EKG MACHINE	$16,280	6515	2002
2156129	EKG MACHINE	$16,280	6515	2002
2156182	DEFIBRILLATOR	$2,970	6515	2002
2157430	DEFIBRILLATOR	$2,446	6515	2004
2157431	DEFIBRILLATOR	$2,446	6515	2004
2157432	DEFIBRILLATOR	$2,446	6515	2004
2157433	DEFIBRILLATOR	$2,446	6515	2004
2157434	DEFIBRILLATOR	$2,331	6515	2004
2157435	DEFIBRILLATOR	$2,331	6515	2004
2157535	STERILIZER, AUTOCLAVE	$3,395	6515	2004
2157558	ANALYZER, MOLE	$18,881	6515	2005
2157774	DEFIBRILLATOR	$2,248	6515	2005
2157775	DEFIBRILLATOR	$2,248	6515	2005
2157776	DEFIBRILLATOR	$2,248	6515	2005
2157777	DEFIBRILLATOR	$2,248	6515	2005
2157778	DEFIBRILLATOR	$2,248	6515	2005
2157779	DEFIBRILLATOR	$2,248	6515	2005
2157780	DEFIBRILLATOR	$2,248	6515	2005
2157798	ELECTROCARDIOGRAPH	$5,700	6515	2005
2157897	DEFIBRILLATOR	$2,447	6515	2005
2157898	DEFIBRILLATOR	$2,447	6515	2005
2157899	DEFIBRILLATOR	$2,447	6515	2005
2157900	DEFIBRILLATOR	$2,447	6515	2005
2157901	DEFIBRILLATOR	$2,447	6515	2005
2157902	DEFIBRILLATOR	$2,447	6515	2005
2157903	DEFIBRILLATOR	$2,447	6515	2005
2157904	DEFIBRILLATOR	$2,447	6515	2005

2157905	DEFIBRILLATOR	$2,447	6515	2005		
2157906	DEFIBRILLATOR	$2,447	6515	2005		
2157907	DEFIBRILLATOR	$2,447	6515	2005		
2157908	DEFIBRILLATOR	$2,447	6515	2005		
2158149	DEFIBRILLATOR	$2,315	6515	2006		
2158160	CENTRIFUGE	$1,115	6515	2006		
	TOTAL LINE ITEMS 62	**$192,881**			$192,881	62

Federal Supply Classification 6525 - X-Ray Equipment and Supplies

0015152	VIEWING MACHINE X-RAY	$494	6525	1988		
0396612	ILLUMINATOR X-RAY	$482	6525	1986		
0594102	TABLE BUCK	$28,306	6525	1984		
2156367	X-RAY TUBE	$33,306	6525	1984		
0594104	CONSOLE POWER	$23,306	6525	1984		
0594108	X-RAY FILM CHEST	$14,287	6525	1984		
0594138	GENERATOR	$30,040	6525	1983		
1225151	PROCESSOR, FILM, X-RAY	$6,301	6525	1992		
	TOTAL LINE ITEMS 8	**$136,522**			$136,522	8

Federal Supply Classification 6530 - Hospital Furniture, Equipment and Supplies

0590753	CABINET TREATMENT	$645	6530	1982		
0590767	CABINET TREATMENT	$645	6530	1981		
0590782	CHAIR/TREATMENT	$600	6530	1982		
0590785	CABINET TREATMENT	$645	6530	1981		
0590789	TABLE TREATMENT	$706	6530	1981		
0590791	CABINET TREATMENT	$645	6530	1981		
0590798	CABINET INSTRUMENT	$896	6530	1981		
0590799	ROLLER PATIENT TRANSFER	$155	6530	1982		
0590806	CHAIR EVAC	$630	6530	1982		
0590801	TABLE OPERATING-EXAMING	$1,369	6530	1964		
1010312	CABINET, PROCEDURES CENTER	$1,605	6530	1989		
1010313	CHAIR, OTOLARYNGOLOGY	$3,372	6530	1989		
2157951	TABLE, PROCEDURES	$7,213	6530	2005		
1011150	TABLE, PROCTOSCOPIC EXAM	$5,698	6530	1990		
2158013	STRETCHER	$2,290	6530	2005		
0590765	STRETCHER	$1,855	6530	1982		

	TOTAL LINE ITEMS 16	**$28,969**			$28,969	16

Federal Supply Classification 6540 - Ophthalmic Instruments, Equipment and Supplies

0131902	VISION TESTER	$1,295	6540	1986		
0132393	TONOMETER	$6,450	6540	1986		
0592404	LAMP SLIT	$2,712	6540	1984		
	TOTAL LINE ITEMS 3	**$10,457**			$10,457	3

Federal Supply Classifications 6605/6610/6615/6620/6625 - Instruments and Laboratory Equipment

0145045	INDICATOR, SWING-MASTER	$2,125	6605	1987		
1159040	DISTRIBUTION UNIT, POWER	$28,000	6610	1992		
0131945	STETHOSCOPE, ELECTRONIC	$201	6615	1986		
1941974	DEFIBRILLATOR	$3,084	6615	2001		
2158077	OIL SKIMMER	$2,968	6620	1981		
0034298	MULTIMETER	$298	6625	1995		
1940121	TESTER, BREAKER	$5,900	6625	1998		
0036902	AMPMETER	$68	6625	1993		
1623200	METER, CONDUCTIVITY	$470	6625	2002		
1623474	ANALYZER, POWER QUALITY	$8,650	6625	2003		
G033116	PROBE, PORTABLE ANALOG CLAMP	$75	6625	1988		
1541038	AMMETER, CLAMP-ON	$289	6625	1996		
1623025	MULTIMETER	$349	6625	2002		
1623026	MULTIMETER	$349	6625	2002		
G033494	LIGHT SOURCE	$2,866	6625	1988		
G033670	X-RAY SYSTEM, MICROFOCUS	$408,697	6625	1988		
0033935	MULTIMETER	$369	6625	1996		
G033970	GAUGE, ULTRASONIC THICKNESS	$1,911	6625	1988		
1224515	DOSIMETER, NOISE LOGGING	$1,518	6625	1992		
1224516	DOSIMETER, NOISE LOGGING	$1,518	6625	1992		
G034460	AMMETER, DIGITAL CLAMP-ON VOLT	$381	6625	1989		
0034300	MULTIMETER	$298	6625	1995		
2158177	LOCATER, PIPE AND CABLE	$2,811	6625	2006		
0014992	IMMERSION LIQUID PENETRANT SYS	$9,490	6625	1988		
1541103	TESTER, BATTERY IMPEDANCE	$6,995	6625	1996		
0015092	TESTER PORTABLE OIL	$1,570	6625	1988		
1912689	TESTER, CIRCUIT BREAKER	$46,983	6625	1998		

0015593	MULTIMETER	$119	6625	1989
0034301	MULTIMETER	$298	6625	1995
0015800	FIBERSCOPE, FLEXIBLE	$9,323	6625	1988
0015849	MULTIMETER	$260	6625	1989
0034299	MULTIMETER	$298	6625	1995
1622722	AMMETER	$818	6625	1999
1539583	METER, CABLE PHASING	$1,700	6625	1995
0034296	MULTIMETER	$298	6625	1995
0036081	MULTIMETER	$299	6625	1993
0042298	MULTIMETER	$325	6625	1993
1324239	METER, POWER HARMONICS	$1,200	6625	1993
1324263	TESTER, GROUND RESISTANCE	$1,975	6625	1993
1623627	MULTIMETER	$177	6625	2000
1623628	MULTIMETER	$277	6625	2000
1623629	MULTIMETER	$231	6625	2000
1623630	MULTIMETER	$175	6625	2000
0131955	MILLIAMMETER, PORTABLE ANALOG	$126	6625	1986
0131956	MILLIAMMETER, PORTABLE ANALOG	$126	6625	1986
0131959	MILLIAMMETER, PORTABLE ANALOG	$126	6625	1986
0131960	MILLIAMMETER, PORTABLE ANALOG	$126	6625	1986
0132317	MULTIMETER	$132	6625	1987
0132446	METER AC-DC	$132	6625	1986
0132765	MILLIAMMETER, PORTABLE ANALOG	$126	6625	1986
0132818	MULTIMETER	$145	6625	1987
0034334	TRACER, CURRENT	$760	6625	1995
0132910	MULTIMETER	$287	6625	1987
0132911	MULTIMETER	$287	6625	1987
0133177	YOKE	$420	6625	1987
1539748	MULTIMETER	$298	6625	1995
1539747	MULTIMETER	$298	6625	1995
0133390	TESTER ELECTRONIC COMBUSTION	$685	6625	1987
1224517	DOSIMETER, NOISE LOGGING	$1,518	6625	1992
1224518	DOSIMETER, NOISE LOGGING	$1,518	6625	1992
1325452	MULTIMETER	$259	6625	1995
1325454	MULTIMETER	$259	6625	1995
0144961	METER ULTRAVIOLET	$430	6625	1987

0145078	METER SURVEY RADIATION ION CH	$950	6625	1987
0145079	METER SURVEY RADIATION PORTABL	$395	6625	1987
0289619	GAUGE, THICKNESS	$335	6625	1985
0289716	OSCILLOSCOPE	$2,544	6625	1983
0034302	TESTER, HOT STICK	$968	6625	1995
0293292	METER VIBROGROUND	$515	6625	1986
0396390	ANALYZER, COMBUSTION PORTABLE	$2,457	6625	1986
0034246	AMPROBE	$130	6625	1995
0396713	TEST SET DC	$4,600	6625	1986
0396820	DETECTOR, LEAK	$168	6625	1986
0396821	DETECTOR, LEAK	$168	6625	1986
0396992	MULTIMETER, DIGITAL	$228	6625	1986
0397186	MEGOHMMETER	$1,895	6625	1986
0397201	TESTER PHASING	$701	6625	1986
0034060	MULTIMETER	$390	6625	1993
0397266	CIRCUIT BREAKER TEST SET	$22,010	6625	1986
1223816	TESTER, MEGGER	$970	6625	1992
2156854	TEST SET, UNIVERSAL	$4,827	6625	2003
1223783	MEGOHMMETER	$825	6625	1991
1325469	MILLIOHMMETER	$4,890	6625	1995
0034387	METER, CONDUCTIVITY	$1,025	6625	1995
0590101	DETECTOR, LEAK	$115	6625	1984
0591666	VOLTAGE ANALYSIS	$4,075	6625	1982
0591730	MULTIMETER	$50	6625	1976
0592423	OHMMETER, DIGITAL	$2,450	6625	1984
0034248	AMPROBE	$130	6625	1995
0034247	AMPROBE	$130	6625	1995
1540236	STROBOSCOPE	$2,995	6625	1995
0034019	MULTIMETER	$287	6625	1995
0594029	METER SURVEY	$305	6625	1984
0594284	MULTIMETER	$50	6625	1964
0594739	METER ULTRAVIOLET LONG WAVE	$285	6625	1984
0036870	MULTIMETER	$623	6625	1995
1223551	MILLIAMMETER, VOLT-OHM	$209	6625	1991
1223550	MILLIAMMETER, VOLT-OHN	$209	6625	1991
1223552	AMMETER, CLAMP-ON	$72	6625	1991

1223553	AMMETER, CLAMP-ON	$72	6625	1991
0752295	TEST SET POWER FACTOR	$9,930	6625	1984
0752334	MAGNETIC PARTICLE TESTING UNIT	$2,900	6625	1984
0752353	TRANSDUCER	$2,110	6625	1984
0752359	SOURCE LIGHT	$441	6625	1984
0752360	FIVERSCOPE FLEXIBLE	$8,835	6625	1984
0035985	MULTIMETER	$325	6625	1991
1622631	METER, CLAMP-ON	$109	6625	1999
0752878	FAULTOMETER	$545	6625	1972
0752951	TESTER MEGGAR MARK IV	$399	6625	1982
1622635	AMMETER, CLAMP-ON, DIGITAL	$318	6625	1999
0753462	GAUGE, THICKNESS DIGITAL ULTRA	$1,995	6625	1983
2157844	METER TEST SYSTEM, WATTHOUR	$25,889	6625	2005
0033893	MULTIMETER	$199	6625	1996
0797401	PROBE CURRENT	$106	6625	1986
0797403	PROBE PORTABLE ANALOG	$149	6625	1986
0797409	PROBE PORTABLE ANALOG	$149	6625	1986
G033695	MULTIMETER, PORTABLE ANALOG	$319	6625	1988
0824385	AMMETER	$637	6625	1987
0824513	AMMETER, AC/DC CLAMP-ON	$620	6625	1987
0033896	MULTIMETER	$335	6625	1996
1010588	DETECTOR, METAL	$1,710	6625	1988
1940989	ANALYZER, MOTOR	$39,340	6625	2000
1010416	METER, RADIATION SURVEY	$380	6625	1989
0036103	AMMETER, AC CLAMP-ON	$655	6625	1992
1010600	LOCATOR, SHEATH FAULT & CABLE	$2,183	6625	1989
1010834	SPECTROMETER	$2,533	6625	1990
0033908	AMPROBE	$149	6625	1996
0033892	MULTIMETER	$199	6625	1996
1540633	MULTIMETER	$279	6625	1996
1540634	MULTIMETER	$279	6625	1996
1540635	MULTIMETER	$279	6625	1996
1011175	DETECTOR, HOLIDAY	$1,895	6625	1990
1322971	ANALYZER, MACHINERY	$29,506	6625	1993
0396712	GENERATOR IMPULSE	$2,235	6625	1986
1539318	METER, POWER	$908	6625	1995

0752879	TESTER SENSITIVITY	$275	6625	1980
1622217	MULTIMETER	$295	6625	1997
1911373	MULTIMETER	$90	6625	1997
1012365	ANALYZER, PORTABLE COMBUSTION	$2,380	6625	1990
1172881	POWER SUPPLY	$2,098	6625	1991
1223504	TRACER, CURRENT	$542	6625	1991
0819157	AMPROBE	$70	6625	1991
0035992	AMMETER	$93	6625	1991
0035991	AMMETER	$93	6625	1991
0036010	MULTIMETER	$300	6625	1991
0036011	MULTIMETER	$300	6625	1991
0036013	MULTIMETER	$300	6625	1991
0036007	AMMETER	$850	6625	1992
1223878	MULTIMETER	$90	6625	1992
1223925	CABLE FAULT LOCATING SYSTEM	$29,150	6625	1992
1224392	LOCATOR, VALVE & BOX	$562	6625	1992
0034045	SCOPEMETER	$1,950	6625	1993
0034261	MULTIMETER	$320	6625	1995
1910698	ANALYZER, MACHINERY	$16,780	6625	1997
0036634	MULTIMETER	$299	6625	1992
0036633	MULTIMETER	$299	6625	1992
0036887	MULTIMETER	$295	6625	1993
0015984	MULTIMETER, DIGITAL	$259	6625	1989
1622240	MULTIMETER	$295	6625	1997
1323716	TRACER, CURRENT	$304	6625	1993
1323954	MILLIAMMETER, VOLT-OHM	$280	6625	1993
1323955	MILLIAMMETER, VOLT-OHM	$280	6625	1993
1323957	MILLIAMMETER, VOLT-OHM	$293	6625	1993
1324160	ANALYZER/RECORDER, POWER	$3,590	6625	1993
1324651	TESTER, MEGGER	$990	6625	1994
0034073	MULTIMETER	$212	6625	1994
0034074	MULTIMETER	$212	6625	1994
0034097	AMMETER, VOLT-OHM	$295	6625	1994
0034123	MULTIMETER	$372	6625	1994
0034124	MULTIMETER	$372	6625	1994
1912417	MULTIMETER	$285	6625	1997

1912419	MULTIMETER	$285	6625	1997		
1224519	DOSIMETER, NOISE LOGGING	$1,518	6625	1992		
0797405	PROBE PORTABLE ANALOG	$149	6625	1986		
1940113	LOCATOR, PIPE AND CABLE	$2,350	6625	1998		
0034163	MULTIMETER	$485	6625	1994		
0034162	MULTIMETER	$485	6625	1994		
0033894	MULTIMETER	$335	6625	1996		
1940118	TESTER, MEGGER	$770	6625	1998		
1622696	METER, CLAMP-ON	$126	6625	1999		
1622695	METER, CLAMP-ON	$126	6625	1999		
0042080	AMMETER, CLAMP-ON	$270	6625	1997		
2157003	TEST SET, BREAKERS	$7,101	6625	2003		
1911464	AMMETER, CLAMP-ON	$299	6625	1997		
1623015	MULTIMETER	$335	6625	2001		
1623016	MULTIMETER	$335	6625	2001		
1623017	MULTIMETER	$335	6625	2001		
	TOTAL LINE ITEMS 187	**$846,726**			$846,726	187

Federal Supply Classification 6630 - Chemical Analysis Instruments

1623948	MONITOR, GAS	$1,768	6630	2004
1623949	MONITOR, GAS	$1,768	6630	2004
2157518	FLOWMETER, ULTRASONIC	$6,240	6630	2004
2155785	SENSOR, ALCOHOL	$2,250	6630	2002
0015724	TESTER, MULTISCALE HARDNESS	$18,941	6630	1988
2158230	GAUGE, VACUUM	$652	6630	2006
2156451	THERMOCYCLER, AIR	$43,400	6630	2001
2157541	DATALOGGER	$3,320	6630	2004
1940393	MONITOR, GAS	$9,950	6630	1999
1624047	ANALYZER, GAS	$1,849	6630	2005
1624048	ANALYZER, GAS	$1,849	6630	2005
1624049	ANALYZER, GAS	$1,849	6630	2005
1624050	ANALYZER, GAS	$1,849	6630	2005
2157847	FLOWMETER	$1,274	6630	2005
2157848	FLOWMETER	$1,274	6630	2005
1622632	ANALYZER, OXYGEN	$557	6630	1999
1011270	DETECTOR, ELECTRON CAPTURE	$1,895	6630	1990

1623473	METER, PH	$485	6630	2003		
2156976	ANALYZER, REFRIGERANT	$1,100	6630	2003		
1322705	HYDROMETER, OPTICAL	$1,995	6630	1992		
1322940	ANALYZER, OIL	$7,995	6630	1993		
1623472	METER, DISSOLVED OXYGEN	$399	6630	2003		
	TOTAL LINE ITEMS 22	**$112,659**			$112,659	22

Federal Supply Classification 6635 - Physical Properties Testing and Inspection Equipment

G033225	METER, CABLE LENGTH	$995	6635	1988
G033654	TESTER, PORTABLE DIGITAL HARD.	$4,800	6635	1988
2155735	INSPECTION MACHINE, X-RAY	$72,160	6635	2002
1622583	METER, DENSITY	$1,600	6635	1998
2157210	DYNAMOMETER, ELECTRONIC	$4,390	6635	2004
0131595	X-RAY UNIT	$25,885	6635	1985
1623967	DETECTOR, GAS	$935	6635	2004
1223562	GAUGE, ULTRASONIC THICKNESS	$1,665	6635	1991
0289884	X-RAY UNIT	$25,885	6635	1985
0034835	GAUGE, ULTRASONIC THICKNESS	$1,495	6635	1996
0397208	DETECTOR CRACK	$9,148	6635	1986
1622898	GILIBRATOR	$1,394	6635	2001
1323656	TESTER, LOAD	$1,103	6635	1993
1622857	METER, SOUND LEVEL	$1,198	6635	2000
G097072	GRIPPER, PNEUMATIC PARALLEL	$1,000	6635	1989
1624060	ANALYZER, ALLOY; PORTABLE	$38,440	6635	2005
2157066	AUDIOMETER	$1,995	6635	2003
0824544	YOKE KIT	$510	6635	1988
2157896	DENSITOMETER	$1,418	6635	2005
1622769	TESTER, INSULATION	$4,500	6635	2000
1624179	SHAFT ALIGNMENT SYSTEM, LASER	$19,800	6635	2005
2157390	DETECTOR, FLAW; ULTRASONIC	$7,560	6635	2004
2157391	DETECTOR, FLAW; ULTRASONIC	$7,560	6635	2004
1173380	GAUGE, THICKNESS DIGITAL ULTRA	$3,180	6635	1991
1940570	SURFACE ROUGHNESS TESTER	$1,790	6635	1999
0036006	GAUGE, THICKNESS	$1,158	6635	1992
2158069	X-RAY INSPECTION SYSTEM	$49,076	6635	2005
2158070	X-RAY SOURCE	$5,037	6635	2005

0016291	GAUGE, ULTRASONIC THICKNESS	$995	6635	1989		
2156807	DYNAMOMETER	$3,540	6635	2003		
	TOTAL LINE ITEMS 30	**$300,212**			$300,212	30

Federal Supply Classification 6645 - Time Measuring Instruments

0396152	MACHINE TIME/DATE	$515	6645	1985		
	TOTAL LINE ITEMS 1	**$515**			$515	1

Federal Supply Classification 6650 - Optical Instruments, Test Equipment, Components and Accessories

0036998	BINOCULARS	$622	6650	1993
G033963	MICROSCOPE	$2,235	6650	1988
0015584	BINOCULARS	$273	6650	1990
0015795	FIBERSCOPE, FLEXIBLE	$12,199	6650	1988
2157304	PROBE, VIDEO	$21,900	6650	2004
2157402	CAMERA, THERMAL IMAGING	$4,850	6650	1997
2157242	MICROSCOPE	$2,999	6650	2004
1541769	IMAGER, FIRE	$5,000	6650	1996
1623463	BOROSCOPE	$295	6650	2003
0591016	BINOCULARS, 7X50MM FIELD	$165	6650	1964
0591032	BINOCULARS, 7X50MM FIELD	$165	6650	1964
0591793	BINOCULARS, 7X50MM FIELD	$170	6650	1964
1912822	TELESCOPE	$349	6650	1998
1912823	TELESCOPE	$349	6650	1998
0594088	BINOCULARS, 7X50MM FIELD	$165	6650	1964
1624023	CAMERA, INFRARED	$52,137	6650	2005
2157814	BOROSCOPE	$1,549	6650	2005
0752880	PHOTOMETER PORTABLE	$713	6650	1977
0753429	HARDNESS KIT TELEBRINELLER	$595	6650	1983
0753659	SPECTROMETER MASS	$13,560	6650	1984
2156717	IMAGER, THERMAL	$11,410	6650	2003
1623689	BINOCULARS	$61	6650	2004
2157894	ILLUMINATOR	$1,159	6650	2005
1322954	RADIOMETER, THERMAL IMAGING	$34,197	6650	1993
1322955	CAMERA, THERMAL IMAGING	$34,197	6650	1993
1941833	CAMERA, THERMAL IMAGING	$23,758	6650	2001
0036115	BINOCULARS	$281	6650	1992

1623637	BINOCULARS	$108	6650	2004		
1623647	BINOCULARS	$108	6650	2004		
0036905	BINOCULARS	$98	6650	1993		
1940501	RADIOMETER, INFRARED IMAGING	$64,901	6650	1999		
0034068	BORESCOPE	$5,368	6650	1994		
1623001	BINOCULARS	$260	6650	2001		
0034148	BOROSCOPE	$5,368	6650	1994		
1941649	IMAGER, FIRE	$5,000	6650	1997		
0014890	FLUOROSCOPE MICROFOCUS	$37,795	6650	1987		
1622439	FIBERSCOPE	$12,687	6650	1998		
	TOTAL LINE ITEMS 37	**$357,046**			$357,046	37
Federal Supply Classification 6655 - Geophysical Instruments						
1323655	METER, AIR VELOCITY	$1,230	6655	1993		
	TOTAL LINE ITEMS 1	**$1,230**			$1,230	1
Federal Supply Classification 6660 - Meteorlogical Instruments and Aparatus						
0132759	RADIOMETER/PHOTOMETER	$633	6660	1986		
0752551	COMPASS NAVIGATION	$700	6660	1983		
	TOTAL LINE ITEMS 2	**$1,333**			$1,333	2
Federal Supply Classification 6665 - Hazard Detecting Instruments and Apparatus						
1623928	DETECTOR, LEAK	$306	6665	2004		
0034061	ALARM, RADIATION RATE	$139	6665	1994		
G034627	RADIACMETER (GAMMA ALARM)	$940	6665	1989		
2157860	EXPOSURE DEVICE, RADIOACTIVE	$8,695	6665	1990		
1323854	METER, SOUND LEVEL	$4,601	6665	1993		
1670601	DETECTOR, GAS	$1,648	6665	2006		
1670602	DETECTOR, GAS	$1,648	6665	2006		
1670603	DETECTOR, GAS	$1,648	6665	2006		
1670604	DETECTOR, GAS	$1,648	6665	2006		
1670605	DETECTOR, GAS	$1,648	6665	2006		
1670606	DETECTOR, GAS	$1,648	6665	2006		
1623952	DOSIMETER, NOISE	$1,457	6665	2004		
1623953	DOSIMETER, NOISE	$1,457	6665	2004		
1623954	DOSIMETER, NOISE	$1,457	6665	2004		

1623955	DOSIMETER, NOISE	$1,457	6665	2004
1623956	DOSIMETER, NOISE	$1,457	6665	2004
2158228	DETECTOR, GAS	$1,429	6665	2006
2158229	DETECTOR, GAS	$1,429	6665	2006
2158231	GAUGE, VACUUM	$652	6665	2006
2158232	DETECTOR, GAS	$2,118	6665	2006
2158233	DETECTOR, GAS	$2,118	6665	2006
2158234	DETECTOR, GAS	$2,118	6665	2006
1910639	DETECTOR, LEAK	$510	6665	1997
1940895	METER, SURVEY	$515	6665	1999
2155898	LEVEL, AUTO	$765	6665	2002
1940894	METER, SURVEY	$515	6665	1999
1940893	METER, SURVEY	$515	6665	1999
1940949	DETECTOR, GAS	$2,105	6665	1995
1910637	DETECTOR, LEAK	$510	6665	1997
1910636	DETECTOR, LEAK	$510	6665	1997
0042048	DETECTOR, LEAK	$390	6665	1997
0034062	ALARM, RADIATION RATE	$139	6665	1994
1941593	DETECTOR, GAS	$2,594	6665	2001
0293126	DETECTOR, LEAK	$125	6665	1985
0396299	MONITOR, RADIATION	$790	6665	1986
0396301	MONITOR, RADIATION	$195	6665	1986
0396302	MONITOR, RADIATION	$195	6665	1986
0396350	MONITOR, RADIATION SYSTEM	$790	6665	1986
1224304	TESTER, MICROWAVE LEAKAGE	$612	6665	1992
1010581	METER, PORTABLE	$965	6665	1989
0397000	DETECTOR, LEAK	$168	6665	1986
1542238	PROJECTOR, COBALT	$49,552	6665	1996
2157324	DETECTOR, GAS	$2,515	6665	2004
1223732	EXPOSURE DEVICE, GAMMA RAY	$8,695	6665	1992
1323912	MONITOR, HEAT STRESS	$2,595	6665	1993
0034800	DETECTOR, HELIUM LEAK	$8,230	6665	1996
1624079	DETECTOR, GAS	$568	6665	2005
1624080	DETECTOR, GAS	$568	6665	2005
1624081	DETECTOR, GAS	$568	6665	2005
1624082	DETECTOR, GAS	$568	6665	2005

0034255	DETECTOR, LEAK	$349	6665	1995
0034254	DETECTOR, LEAK	$349	6665	1995
0034253	DETECTOR, LEAK	$349	6665	1995
0034252	DETECTOR, LEAK	$349	6665	1995
1622683	DETECTOR, GAS LEAK	$2,900	6665	2000
1010582	METER, PORTABLE	$965	6665	1989
1010730	HOLDER, RADIAC DETECTOR	$2,533	6665	1990
1940436	DETECTOR, GAS, PORTABLE	$2,243	6665	1999
1223661	DETECTOR, HALOGEN LEAK	$248	6665	1991
1540640	DETECTOR, LEAK	$379	6665	1996
0034250	DETECTOR, LEAK	$349	6665	1995
1011378	DETECTOR, PORTABLE LEAK	$12,290	6665	1990
1323608	DETECTOR, ULTRASONIC FLAW	$4,995	6665	1990
1323196	DETECTOR, HALOGEN LEAK	$350	6665	1993
1624189	LAMP, ULTRAVIOLET	$883	6665	2005
1624190	LAMP, ULTRAVIOLET	$883	6665	2005
1012452	DETECTION SYSTEM, FLUORESCENT	$569	6665	1990
0036405	VACUUM SYSTEM, ASBESTOS	$975	6665	1992
0036400	VACUUM SYSTEM, ASBESTOS	$975	6665	1992
0036399	VACUUM SYSTEM, ASBESTOS	$975	6665	1992
0034540	SAMPLER, AIR	$623	6665	1996
0034539	SAMPLER, AIR	$623	6665	1996
1173418	DETECTOR, FLAW	$10,854	6665	1991
1910217	DETECTOR, ULTRASONIC	$8,328	6665	1997
1223733	EXPOSURE DEVICE, GAMMA RAY	$8,695	6665	1992
1223662	DETECTOR, HALOGEN LEAK	$248	6665	1991
1223776	ANALYZER, DATALOGGER	$5,525	6665	1992
1939734	DETECTOR, GAS	$2,325	6665	1997
1912844	METER, RADIATION SURVEY	$2,826	6665	1998
1912370	MONITOR, AIR QUALITY	$3,352	6665	1997
1912371	MONITOR, AIR QUALITY	$3,352	6665	1997
1912388	METER, RADIATION SURVEY	$475	6665	1997
1912389	METER, RADIATION SURVEY	$475	6665	1997
1225171	METER, RADIATION SURVEY	$1,045	6665	1992
1541564	MONITOR, RADIATION	$398	6665	1996
1323195	DETECTOR, HALOGEN LEAK	$350	6665	1993

1323198	DETECTOR, HALOGEN LEAK	$350	6665	1993		
1323199	DETECTOR, HALOGEN LEAK	$350	6665	1993		
1940661	DETECTOR, LEAK, HELIUM	$27,350	6665	1999		
1324171	MONITOR, HEAT STRESS	$2,757	6665	1993		
1324653	TESTER, RESPIRATOR FIT	$7,100	6665	1994		
1325180	SAMPLER, AIR	$623	6665	1994		
1325181	SAMPLER, AIR	$623	6665	1994		
1325183	SAMPLER, AIR	$623	6665	1994		
1325184	SAMPLER, AIR	$623	6665	1994		
1541929	SAMPLER, AIR	$1,195	6665	1996		
1541928	SAMPLER, AIR	$1,195	6665	1996		
2158148	SAMPLER, AIR	$1,035	6665	2006		
1623245	DETECTOR, GAS	$1,375	6665	2003		
1324172	MONITOR, HEAT STRESS	$2,757	6665	1993		
1325182	SAMPLER, AIR	$623	6665	1994		
	TOTAL LINE ITEMS 101	**$260,466**			$260,466	101

Federal Supply Classification 6670 - Scales and Balances

0590748	SCALE UPWRIGHT	$213	6670	1983		
0753281	SCALE BENCH TYPE	$718	6670	1969		
1173428	SCALE, WEIGHT	$1,895	6670	1991		
2158154	SCALE, PLATFORM	$2,423	6670	2006		
	TOTAL LINE ITEMS 4	**$5,249**			$5,249	4

Federal Supply Classification 6675 - Drafting, Surveying and Mapping Instruments

2165874	PLOTTER/PRINTER	$12,000	6675	2000		
0131949	SURVEY METER	$395	6675	1983		
0131950	SURVEY METER	$395	6675	1983		
0131951	SURVEY METER	$395	6675	1983		
1623989	LEVEL, LASER	$1,475	6675	2005		
1623990	RECEIVER, LASER	$395	6675	2005		
1623991	RECEIVER, MACHINE CONTROL	$2,290	6675	2005		
1623464	PROTIMETER	$399	6675	2003		
0033943	COLLECTOR, DATA	$982	6675	1996		
0591665	LEVEL, AUTOSET	$1,200	6675	1983		
0592383	TRANSIT	$989	6675	1984		

0033956	LEVEL, AUTO	$1,522	6675	1996		
1622983	METER, LASER; HAND-HELD	$699	6675	2001		
0033959	LEVEL, LASER HAND	$837	6675	1996		
1541121	MEASURING DEVICE, ULTRASONIC	$10,407	6675	1996		
	TOTAL LINE ITEMS 15	**$34,380**			$34,380	15

Federal Supply Classification 6680 - Liquid and Gas Flow Measuring Instruments

0033936	CALIBRATOR, PRIMARY FLOW	$2,304	6680	1996		
1622391	TACHOMETER	$214	6680	1998		
0594204	HOOD FLOW	$1,580	6680	1980		
1224350	TACHOMETER, PHOTOELECTRIC	$156	6680	1992		
1224351	TACHOMETER, PHOTOELECTRIC	$156	6680	1992		
1224352	TACHOMETER, PHOTOELECTRIC	$156	6680	1992		
0035999	TACHOMETER, PHOTO/CONTACT	$229	6680	1992		
1323015	FLOWMETER	$2,290	6680	1993		
	TOTAL LINE ITEMS 8	**$7,085**			$7,085	8

Federal Supply Classification 6685 - Pressure, Temperature and Humidity Measuring Equipment

1622579	THERMOMETER, INFRARED	$449	6685	1998		
G033789	THERMOMETER/PYROMETER HAND HELD	$1,001	6685	1988		
G033620	HYGROMETER	$495	6685	1988		
0131825	THERMOMETER THERMOCOUPLE	$230	6685	1986		
1541394	METER, CHARGING	$449	6685	1996		
1541393	METER, CHARGING	$449	6685	1996		
1622297	GAUGE, VACUUM	$1,005	6685	1998		
0397149	THERMOMETER, DIGITAL	$307	6685	1986		
0397151	THERMOMETER, DIGITAL	$307	6685	1986		
0041911	THERMOMETER, DIGITAL	$153	6685	1997		
1912162	THERMOANEMOMETER	$1,595	6685	1997		
1622858	MANOMETER	$535	6685	2000		
0041891	THERMOMETER, DIGITAL	$208	6685	1996		
0041890	THERMOMETER, DIGITAL	$208	6685	1996		
1541255	THERMOMETER, INFRARED	$1,295	6685	1996		
1173131	THERMOMETER, DIGITAL	$279	6685	1991		
1223547	THERMOMETER, INFRARED	$2,785	6685	1991		

1223644	THERMOMETER, INFRARED	$690	6685	1991		
1223675	HYGROMETER	$895	6685	1991		
0036000	THERMOMETER, DIGITAL	$100	6685	1992		
0036001	THERMOMETER, DIGITAL	$100	6685	1992		
0036002	THERMOMETER, DIGITAL	$100	6685	1992		
0036004	THERMOMETER, DIGITAL	$100	6685	1992		
0036005	THERMOMETER, DIGITAL	$100	6685	1992		
1224554	METER, CHARGING	$361	6685	1992		
0036503	THERMOANEMOMETER	$1,607	6685	1992		
1670511	THERMOMETER, INFRARED	$107	6685	2005		
1670512	THERMOMETER, INFRARED	$107	6685	2005		
1323382	METER, AIR VELOCITY	$1,443	6685	1993		
0131830	THERMOMETER, THERMOCOUPLE	$230	6685	1986		
1622265	MANOMETER, DIGITAL	$688	6685	1998		
	TOTAL LINE ITEMS 31	**$18,378**			$18,378	31

Federal Supply Classification 6695 - Combination and Miscellaneous Equipment

1940677	BACK FLOW TEST KIT	$752	6695	1999		
	TOTAL LINE ITEMS 1	**$752**			$752	1

Federal Supply Classifications 6720/6730/6740/6760 - Photographic Equipment

1623929	CAMERA, DIGITAL	$803	6720	2004		
G033230	CAMERA, STILL PICTURE	$190	6720	1988		
1622422	CAMERA, DIGITAL	$1,034	6720	1998		
1623049	CAMERA, DIGITAL	$599	6720	2002		
1670594	CAMERA, DIGITAL	$1,230	6720	2006		
1670599	CAMERA, DIGITAL	$430	6720	2006		
1623866	CAMERA, DIGITAL	$562	6720	2004		
1623868	CAMERA, DIGITAL	$562	6720	2004		
0034049	CAMERA	$286	6720	1993		
1623867	CAMERA, DIGITAL	$562	6720	2004		
1670607	CAMERA, DIGITAL	$210	6720	2006		
1670608	CAMERA, DIGITAL	$210	6720	2006		
1670609	CAMERA, DIGITAL	$210	6720	2006		
1670610	CAMERA, DIGITAL	$210	6720	2006		
1623963	CAMERA, DIGITAL	$320	6720	2004		

1670611	CAMERA, DIGITAL	$235	6720	2006
1670612	CAMERA, DIGITAL	$235	6720	2006
1670613	CAMERA, DIGITAL	$235	6720	2006
1670614	CAMERA, DIGITAL	$235	6720	2006
1670615	CAMERA, DIGITAL	$235	6720	2006
1670616	CAMERA, DIGITAL	$235	6720	2006
1670617	CAMERA, DIGITAL	$235	6720	2006
1670618	CAMERA, DIGITAL	$235	6720	2006
1670619	CAMERA, DIGITAL	$235	6720	2006
1670620	CAMERA, DIGITAL	$235	6720	2006
1624045	CAMERA, DIGITAL	$262	6720	2005
1670621	CAMERA, DIGITAL	$4,267	6720	2006
1539851	CAMERA	$52	6720	1995
1623465	CAMERA, DIGITAL	$1,430	6720	2003
2156028	CAMERA, DIGITAL	$617	6720	2002
1623995	CAMERA, DIGITAL	$811	6720	2005
1623122	CAMERA, DIGITAL	$300	6720	2002
1623880	CAMERA, DIGITAL	$1,899	6720	2004
0592375	CAMERA, STILL PICTURE	$40	6720	1984
1622664	CAMERA	$1,029	6720	1999
1622666	CAMERA	$929	6720	1999
1623155	CAMERA, DIGITAL	$359	6720	2002
1622855	CAMERA	$143	6720	2000
1623123	CAMERA,DIGITAL	$300	6720	2002
1622912	CAMERA	$880	6720	2001
1622914	CAMERA	$1,015	6720	2001
1939894	CAMERA	$63	6720	1998
0753692	CAMERA, STILL PICTURE	$129	6720	1984
1624066	CAMERA, DIGITAL	$155	6720	2005
1624067	CAMERA, DIGITAL	$155	6720	2005
1624068	CAMERA, DIGITAL	$155	6720	2005
1624069	CAMERA, DIGITAL	$155	6720	2005
1624070	CAMERA, DIGITAL	$155	6720	2005
1624071	CAMERA, DIGITAL	$155	6720	2005
0818722	CAMERA, STILL PICTURE	$360	6720	1989
1624078	CAMERA, DIGITAL	$450	6720	2005

0042232	CAMERA	$679	6720	1997
0033946	CAMERA	$237	6720	1996
1623834	CAMERA, DIGITAL	$400	6720	2004
1941832	CAMERA, DIGITAL	$9,674	6720	2001
1670510	CAMERA, DIGITAL	$220	6720	2005
1622995	CAMERA, DIGITAL	$1,304	6720	2001
1622994	CAMERA, DIGITAL	$1,304	6720	2001
1622679	CAMERA	$520	6720	1999
1622681	CAMERA	$530	6720	1999
1670532	CAMERA, DIGITAL	$164	6720	2006
1670533	CAMERA, DIGITAL	$164	6720	2006
1622665	CAMERA	$929	6720	1999
1623261	CAMERA, DIGITAL	$379	6720	2003
1622817	CAMERA	$1,099	6720	2000
1622829	CAMERA, DIGITAL, STILL	$1,092	6720	2000
1623274	CAMERA, DIGITAL	$908	6720	2003
1623120	CAMERA, DIGITAL	$1,002	6720	2002
2156027	CAMERA, DIGITAL	$617	6720	2002
1670509	CAMERA, DIGITAL	$1,430	6720	2003
1623452	CAMERA, DIGITAL	$330	6720	2003
1623454	CAMERA, DIGITAL	$330	6720	2003
1940855	PROJECTOR	$4,950	6730	1999
1225187	PRESENTER, VISUAL	$2,311	6730	1992
G033218	ILLUMINATOR, X-RAY FILM VIEWER	$656	6730	1988
2157459	PROJECTOR, OVERHEAD	$2,609	6730	2004
1324574	BOARD, ELECTRONIC COPY	$3,759	6730	1994
1940746	PROJECTOR	$4,950	6730	1999
1322683	PROJECTOR, SLIDE	$717	6730	1992
1322698	PRESENTER, VISUAL	$2,310	6730	1992
2158246	PROJECTOR, LCD	$1,981	6730	2006
2158247	PROJECTOR, LCD	$1,981	6730	2006
2158248	PROJECTOR, LCD	$1,981	6730	2006
2158249	PROJECTOR, LCD	$901	6730	2006
2158250	PROJECTOR, LCD	$901	6730	2006
1941917	PROJECTOR, LCD	$3,866	6730	2001
0132461	PROJECTOR SLIDE	$365	6730	1986

0590886	PROJECTOR OVERHEAD	$589	6730	1984		
1939448	PROJECTOR, OVERHEAD	$239	6730	1998		
0752002	PROJECTOR 16MM	$2,029	6730	1984		
0752629	PROJECTOR 16MM	$2,290	6730	1984		
1225078	PROJECTOR, COLOR VIDEO	$3,277	6730	1992		
0753436	VIEWER FILM	$311	6730	1980		
2157349	PROJECTOR, LCD	$4,449	6730	2004		
1010493	PROJECTOR, PORTABLE OVERHEAD	$590	6730	1989		
1941875	PROJECTOR	$5,094	6730	2001		
1224528	PROJECTOR, OVERHEAD	$475	6730	1992		
1224580	PROJECTOR, OVERHEAD	$349	6730	1992		
1941955	SCANNER,FILM	$2,690	6730	2001		
1939447	PROJECTOR, OVERHEAD	$239	6730	1998		
1542177	PROCESSOR, FILM	$15,657	6740	1996		
G032880	DRYER, X-RAY FILM	$396	6740	1988		
2156411	PRINTER, THERMAL	$15,495	6740	2003		
2156066	PRINTER, PHOTO	$442	6740	2002		
0396715	MOUNT TRIPOD CAMERA	$287	6760	1986		
1940189	FLASH SYSTEM, ELECTRONIC	$1,153	6760	1998		
2155719	CONTROLLER, LIGHT	$300	6760	2001		
1912915	DENSITOMETER	$1,350	6760	1998		
0397155	TRIPOD	$625	6760	1986		
0396714	TRIPOD FLUID HEAD	$287	6760	1986		
0753677	FILM READING	$315	6760	1984		
0812260	HEAD, VIDEO	$361	6760	1989		
0033951	METER, LIGHT	$430	6760	1996		
G033222	DENSITOMETER	$896	6760	1988		
	TOTAL LINE ITEMS 114	**$144,198**			$144,198	114

Federal Supply Classification 6910 - Training Aids

0752743	RESUSCI BABY	$195	6910	1980		
1272773	MOBILE SHUTTLE	$45,534	6910	1992		
	TOTAL LINE ITEMS 14	**$45,729**			$45,729	14

Federal Supply Classification 7021 - ADP Central Processing Unit

2157008	COMPUTER, MICRO	$800	7021	2003		

2157009	COMPUTER, MICRO	$800	7021	2003
2157010	COMPUTER, MICRO	$800	7021	2003
2157446	COMPUTER, LAPTOP	$1,950	7021	2004
2157737	COMPUTER, LAPTOP	$1,052	7021	2005
2157738	COMPUTER, LAPTOP	$1,052	7021	2005
2157739	COMPUTER, LAPTOP	$1,052	7021	2005
2156840	WORKSTATION	$2,850	7021	2003
2157743	COMPUTER, LAPTOP	$1,052	7021	2005
2157744	COMPUTER, LAPTOP	$1,052	7021	2005
2157745	COMPUTER, LAPTOP	$1,052	7021	2005
2157746	COMPUTER, LAPTOP	$1,052	7021	2005
2157747	COMPUTER, LAPTOP	$1,052	7021	2005
2157748	COMPUTER, LAPTOP	$1,052	7021	2005
2157749	COMPUTER, LAPTOP	$1,052	7021	2005
2157750	COMPUTER, LAPTOP	$1,052	7021	2005
2156841	WORKSTATION	$2,850	7021	2003
2157751	COMPUTER, LAPTOP	$1,052	7021	2005
2157752	COMPUTER, LAPTOP	$1,052	7021	2005
2157753	COMPUTER, LAPTOP	$1,052	7021	2005
2156842	WORKSTATION	$2,850	7021	2003
2157754	COMPUTER, LAPTOP	$1,052	7021	2005
2157755	COMPUTER, LAPTOP	$1,052	7021	2005
2157756	COMPUTER, LAPTOP	$1,052	7021	2005
2157757	COMPUTER, LAPTOP	$1,052	7021	2005
2157758	COMPUTER, LAPTOP	$1,052	7021	2005
2157759	COMPUTER, LAPTOP	$1,052	7021	2005
2157760	COMPUTER, LAPTOP	$1,052	7021	2005
2157761	COMPUTER, LAPTOP	$1,052	7021	2005
2157762	COMPUTER, LAPTOP	$1,052	7021	2005
2157763	COMPUTER, LAPTOP	$1,052	7021	2005
2157764	COMPUTER, LAPTOP	$1,052	7021	2005
2157765	COMPUTER, LAPTOP	$1,052	7021	2005
2157766	COMPUTER, LAPTOP	$1,052	7021	2005
2156452	COMPUTER, LAPTOP	$5,000	7021	2001
2157576	COMPUTER, MICRO	$3,000	7021	2004
0034680	COMPUTER, MICRO	$2,500	7021	1996

2157247	COMPUTER, INDUSTRIAL	$3,850	7021	2004		
2157248	COMPUTER, INDUSTRIAL	$3,850	7021	2004		
2157249	COMPUTER, INDUSTRIAL	$3,850	7021	2004		
1941284	COMPUTER, MICRO	$1,850	7021	2000		
1941285	COMPUTER, MICRO	$1,850	7021	2000		
1940990	COMPUTER, LAPTOP	$3,000	7021	2000		
1939441	COMPUTER, LAPTOP	$2,298	7021	1998		
2157136	COMPUTER, MICRO	$2,500	7021	2004		
2157425	COMPUTER, MICRO	$950	7021	2004		
1911030	COMPUTER, MICRO	$4,367	7021	1997		
1939629	COMPUTER, MICRO	$3,000	7021	1998		
0724901	COMPUTER, MICRO	$15,000	7021	1986		
1941157	COMPUTER, LAPTOP	$4,172	7021	2000		
1939420	COMPUTER, MICRO	$946	7021	1997		
	TOTAL LINE ITEMS 51	**$103,287**			$103,287	51

Federal Supply Classification 7025 - ADP Input/Output and Storage Devices

2156910	SERVER	$6,152	7025	2003		
2156911	DISPLAY UNIT	$150	7025	2003		
2155706	PRINTER,ADP	$150	7025	2001		
1940152	DISPLAY UNIT	$730	7025	1999		
1941232	COMPUTER, LAPTOP	$4,172	7025	2000		
2156561	PRINTER, ADP	$300	7025	2003		
1323785	PRINTER, ADP	$1,467	7025	1993		
1910008	PRINTER, ADP	$497	7025	1996		
2156458	PRINTER, ADP	$1,369	7025	1997		
1912646	PRINTER, ADP	$1,517	7025	1997		
1910699	PRINTER, ADP	$3,520	7025	1997		
2155736	DISPLAY UNIT	$300	7025	2002		
2155737	DISPLAY UNIT	$300	7025	2002		
2157451	PRINTER, ADP	$15,961	7025	2004		
2157458	PRINTER, ADP	$590	7025	2004		
G034582	DISPLAY UNIT	$384	7025	1989		
1939824	PRINTER, ADP	$1,050	7025	1999		
1911432	PRINTER, ADP	$349	7025	1997		
1910007	PRINTER, ADP	$497	7025	1996		

2157729	PRINTER, ADP	$458	7025	2005
2157730	PRINTER, ADP	$458	7025	2005
2157731	DISPLAY UNIT	$679	7025	2005
0015468	PRINTER, ADP	$1,739	7025	1988
1323840	PRINTER, ADP	$1,460	7025	1993
1323841	PRINTER, ADP	$1,460	7025	1993
2156838	SERVER	$12,500	7025	2003
1941483	PLOTTER	$24,552	7025	2001
1324225	PRINTER, ADP	$1,475	7025	1993
2155829	SCANNER,OPTICAL	$296	7025	2002
2155831	PRINTER, ADP	$1,352	7025	2002
2156839	SERVER	$12,500	7025	2003
1623258	DISK DRIVE UNIT	$202	7025	2003
2155839	PLOTTER	$7,195	7025	2002
1323853	PRINTER, ADP	$1,500	7025	1994
1539429	PRINTER, ADP	$1,925	7025	1995
2155847	PRINTER, ADP	$2,110	7025	1993
2155855	PRINTER,LASER	$8,718	7025	2002
2155889	PRINTER, ADP	$199	7025	2002
2155902	PRINTER, ADP	$415	7025	2002
2155904	SCANNER,OPTICAL	$319	7025	2002
1224947	DISPLAY UNIT	$403	7025	1992
L008467	DISPLAY UNIT	$991	7025	2002
1941565	PRINTER, ADP	$488	7025	2001
2157403	DISPLAY UNIT	$445	7025	1997
1539819	PRINTER, ADP	$1,429	7025	1995
2155909	PRINTER, ADP	$31,784	7025	2002
2156132	PRINTER, ADP	$190	7025	2002
2158258	PRINTER, ADP	$235	7025	2006
2158259	PRINTER, ADP	$340	7025	2006
2158260	PRINTER, ADP	$340	7025	2006
2157542	PRINTER, ADP	$134	7025	2004
1911209	PRINTER, ADP	$3,866	7025	1997
1623458	DISPLAY UNIT	$350	7025	2003
2158261	PRINTER, ADP	$340	7025	2006
1623151	COMPUTER,HANDHELD	$394	7025	2002

1623152	COMPUTER,HANDHELD	$394	7025	2002
1623153	COMPUTER,HANDHELD	$394	7025	2002
1623459	DISPLAY UNIT	$350	7025	2003
1910015	PRINTER, ADP	$293	7025	1997
2156316	PRINTER, ADP	$299	7025	2003
2157553	PRINTER/PLOTTER	$12,777	7025	2004
2156945	PRINTER, ADP	$1,075	7025	2003
1224991	PRINTER, ADP	$1,430	7025	1992
2157556	DISPLAY UNIT	$300	7025	2004
2157557	PRINTER, ADP	$99	7025	2004
1623460	DISPLAY UNIT	$350	7025	2003
1623461	DISPLAY UNIT	$350	7025	2003
2157562	PRINTER, ADP	$162	7025	2005
1623462	DISPLAY UNIT	$350	7025	2003
2157574	DISPLAY UNIT	$850	7025	2004
2157575	DISPLAY UNIT	$850	7025	2004
1322595	PRINTER, ADP	$1,338	7025	1992
0034929	PRINTER, ADP	$3,750	7025	1997
0397649	DIGITAL READOUT FOR LATHE	$3,743	7025	1986
0818921	PRINTER, ADP	$1,440	7025	1991
2156860	PRINTER, ADP	$169	7025	2003
1010355	PRINTER, ADP	$1,489	7025	1990
0818931	PRINTER, ADP	$1,440	7025	1991
2157586	PRINTER, ADP	$672	7025	2005
2157794	PRINTER, ADP	$104	7025	2005
1325497	PRINTER, ADP	$1,680	7025	1995
2157767	PRINTER, ADP	$360	7025	2004
0034682	PRINTER, ADP	$293	7025	1996
1540994	PRINTER, ADP	$1,408	7025	1996
1940348	PLOTTER	$20,910	7025	1999
2157772	DISPLAY UNIT	$680	7025	2005
2157773	DISPLAY UNIT	$680	7025	2005
1624015	DISPLAY UNIT	$521	7025	2005
1540262	PRINTER, ADP	$3,749	7025	1995
1540260	PRINTER, ADP	$3,749	7025	1995
1540259	PRINTER, ADP	$3,749	7025	1995

1540261	PRINTER, ADP	$3,749	7025	1995
2157334	PRINTER, ADP	$134	7025	2004
1911032	DISPLAY UNIT	$575	7025	1997
1940542	PRINTER, ADP	$2,710	7025	1999
2156533	PRINTER, BAR CODE	$853	7025	2003
2157815	PRINTER, ADP	$3,026	7025	2005
1941658	PRINTER, ADP	$1,515	7025	2001
1540356	PLOTTER	$6,904	7025	1995
2157819	PRINTER, ADP	$497	7025	2005
1540978	PRINTER, ADP	$1,408	7025	1996
2157822	PRINTER, ADP	$3,837	7025	2005
2157823	DISPLAY UNIT	$679	7025	2005
2157826	PRINTER, ADP	$3,025	7025	2005
1624062	DISPLAY UNIT	$1,024	7025	2005
2157829	DISPLAY UNIT	$78	7025	2005
2157830	DISPLAY UNIT	$78	7025	2005
2157831	DISPLAY UNIT	$78	7025	2005
2157832	DISPLAY UNIT	$78	7025	2005
2157833	DISPLAY UNIT	$1,055	7025	2005
2157838	SERVER	$5,930	7025	2005
2157839	SERVER	$2,300	7025	2005
1541333	PLOTTER, GRAPHICS	$8,825	7025	1996
0753461	ULTRASCOPE DIGITAL	$489	7025	1981
1541221	PRINTER, THERMAL	$17,290	7025	1996
1940431	PRINTER, ADP	$475	7025	1999
1540388	PRINTER, ADP	$1,817	7025	1995
1939054	DISPLAY UNIT	$500	7025	1998
1624076	TABLET, PC	$1,906	7025	2005
1624077	TAPE DRIVE UNIT	$3,519	7025	2005
1541064	PRINTER, ADP	$1,555	7025	1996
1541099	PRINTER, ADP	$383	7025	1996
1541096	PRINTER, ADP	$383	7025	1996
1911029	DISPLAY UNIT	$575	7025	1997
2156178	SERVER	$1,127	7025	2002
1940988	PRINTER, ADP	$759	7025	2000
1939927	PRINTER, ADP	$500	7025	1998

1010349	PRINTER, ADP	$1,489	7025	1990
1911003	PRINTER, ADP	$1,228	7025	1997
1941302	PRINTER, ADP	$175	7025	2000
1941303	PRINTER, ADP	$175	7025	2000
1011315	MINIFILE, PORTABLE FLOPPY DISK	$2,993	7025	1990
1324255	PRINTER, ADP	$1,700	7025	1993
1941741	PRINTER,THERMAL	$1,340	7025	2001
1541224	PRINTER, ADP	$2,685	7025	1996
1624087	COMPUTER, MOBILE	$1,915	7025	2005
1624088	COMPUTER, MOBILE	$1,915	7025	2005
1624089	COMPUTER, MOBILE	$1,915	7025	2005
1624090	COMPUTER, MOBILE	$1,915	7025	2005
1624091	COMPUTER, MOBILE	$1,915	7025	2005
1624092	COMPUTER, MOBILE	$1,915	7025	2005
1624093	COMPUTER, MOBILE	$1,915	7025	2005
1624094	COMPUTER, MOBILE	$1,915	7025	2005
1624095	COMPUTER, MOBILE	$1,915	7025	2005
1624096	COMPUTER, MOBILE	$1,915	7025	2005
1624097	COMPUTER, MOBILE	$1,915	7025	2005
1624098	COMPUTER, MOBILE	$1,915	7025	2005
1624099	COMPUTER, MOBILE	$1,915	7025	2005
1624100	COMPUTER, MOBILE	$1,915	7025	2005
1624101	COMPUTER, MOBILE	$1,915	7025	2005
1941305	PRINTER, ADP	$2,229	7025	2000
1624102	COMPUTER, MOBILE	$1,915	7025	2005
1624103	COMPUTER, MOBILE	$1,915	7025	2005
1624104	COMPUTER, MOBILE	$1,915	7025	2005
0034620	PRINTER, ADP	$761	7025	1996
1624105	COMPUTER, MOBILE	$1,915	7025	2005
1624106	COMPUTER, MOBILE	$1,915	7025	2005
1624107	COMPUTER, MOBILE	$1,915	7025	2005
1624108	COMPUTER, MOBILE	$1,915	7025	2005
1624109	COMPUTER, MOBILE	$1,915	7025	2005
1624110	COMPUTER, MOBILE	$1,915	7025	2005
1624111	COMPUTER, MOBILE	$1,915	7025	2005
1624112	COMPUTER, MOBILE	$1,915	7025	2005

1624113	COMPUTER, MOBILE	$1,915	7025	2005
1624114	COMPUTER, MOBILE	$1,915	7025	2005
1624115	COMPUTER, MOBILE	$1,915	7025	2005
1624116	COMPUTER, MOBILE	$1,915	7025	2005
1624117	COMPUTER, MOBILE	$1,915	7025	2005
1624118	COMPUTER, MOBILE	$1,915	7025	2005
1624119	COMPUTER, MOBILE	$1,915	7025	2005
1624120	COMPUTER, MOBILE	$1,915	7025	2005
1624121	COMPUTER, MOBILE	$1,915	7025	2005
1624122	COMPUTER, MOBILE	$1,915	7025	2005
1941759	DISK DRIVE UNIT,CD ROM	$329	7025	2001
1433877	PRINTER, ADP	$633	7025	1994
1624123	COMPUTER, MOBILE	$1,915	7025	2005
1624124	COMPUTER, MOBILE	$1,915	7025	2005
1624125	COMPUTER, MOBILE	$1,915	7025	2005
1624126	COMPUTER, MOBILE	$1,915	7025	2005
1624127	COMPUTER, MOBILE	$1,915	7025	2005
1624128	COMPUTER, MOBILE	$1,915	7025	2005
1624129	COMPUTER, MOBILE	$1,915	7025	2005
1540988	PRINTER, ADP	$1,408	7025	1996
1624130	COMPUTER, MOBILE	$1,915	7025	2005
1624131	COMPUTER, MOBILE	$1,915	7025	2005
1624132	COMPUTER, MOBILE	$1,915	7025	2005
1624133	COMPUTER, MOBILE	$1,915	7025	2005
1624134	COMPUTER, MOBILE	$1,915	7025	2005
1624149	COMPUTER, MOBILE	$1,915	7025	2005
1624150	COMPUTER, MOBILE	$1,915	7025	2005
1624151	COMPUTER, MOBILE	$1,915	7025	2005
1624152	COMPUTER, MOBILE	$1,915	7025	2005
1624153	COMPUTER, MOBILE	$1,915	7025	2005
1624154	COMPUTER, MOBILE	$1,915	7025	2005
1624155	COMPUTER, MOBILE	$1,915	7025	2005
1223910	PRINTER, ADP	$1,460	7025	1992
1624156	COMPUTER, MOBILE	$1,915	7025	2005
1624157	COMPUTER, MOBILE	$1,915	7025	2005
1624158	COMPUTER, MOBILE	$1,915	7025	2005

1624159	COMPUTER, MOBILE	$1,915	7025	2005
1624160	COMPUTER, MOBILE	$1,915	7025	2005
1624161	COMPUTER, MOBILE	$1,915	7025	2005
1624162	COMPUTER, MOBILE	$1,915	7025	2005
2157392	DISPLAY UNIT	$480	7025	2004
1624163	COMPUTER, MOBILE	$1,915	7025	2005
1624164	COMPUTER, MOBILE	$1,915	7025	2005
1624165	COMPUTER, MOBILE	$1,915	7025	2005
1624166	COMPUTER, MOBILE	$1,915	7025	2005
1624167	COMPUTER, MOBILE	$1,915	7025	2005
1624168	COMPUTER, MOBILE	$1,915	7025	2005
1941800	PRINTER, ADP	$225	7025	2001
1223969	PRINTER, ADP	$1,447	7025	1992
1941837	DISK DRIVE UNIT	$400	7025	2001
1941838	DISK DRIVE UNIT	$400	7025	2001
1941855	PLOTTER	$8,606	7025	2001
1941856	PLOTTER	$8,606	7025	2001
1941865	PRINTER, ADP	$181	7025	2001
1941866	PRINTER, ADP	$181	7025	2001
1325164	PRINTER, ADP	$1,682	7025	1994
1940413	DISPLAY UNIT	$1,015	7025	1998
1323394	DISPLAY UNIT	$4,400	7025	1990
1623635	DISPLAY UNIT	$1,966	7025	2004
2158026	PRINTER, PHOTO THERMAL	$815	7025	2005
2157137	PRINTER, ADP	$294	7025	2004
1011644	PRINTER, ADP	$679	7025	1990
1911271	PRINTER, ADP	$375	7025	1997
2158039	PRINTER, ADP	$400	7025	2005
1912063	PRINTER, ADP	$1,900	7025	1997
1940487	PRINTER, ADP	$395	7025	1999
1224455	PRINTER, ADP	$1,480	7025	1992
1912865	PRINTER, ADP	$745	7025	1998
2157426	DISPLAY UNIT	$429	7025	2004
1670520	COMPUTER, MOBILE	$2,078	7025	2005
1670521	COMPUTER, MOBILE	$2,078	7025	2005
1912862	PRINTER, ADP	$745	7025	1998

1912860	PRINTER, ADP	$745	7025	1998
1912859	PRINTER, ADP	$745	7025	1998
1912858	PRINTER, ADP	$745	7025	1998
0034683	MODEM	$1,830	7025	1996
1912866	PRINTER, LASERJET	$1,064	7025	1998
1324133	PRINTER, ADP	$1,464	7025	1994
1324134	PRINTER, ADP	$1,464	7025	1994
1324617	PRINTER, ADP	$1,500	7025	1994
1912864	PRINTER, ADP	$745	7025	1998
1941085	PRINTER, ADP	$476	7025	2000
1941084	PRINTER, ADP	$499	7025	2000
1324825	PRINTER, ADP	$1,962	7025	1994
1912884	PRINTER, ADP	$482	7025	1998
1940517	PRINTER, ADP	$24,807	7025	1999
2158104	PRINTER, ADP	$686	7025	2006
0042173	PRINTER, ADP	$249	7025	1997
1325378	PRINTER, ADP	$2,971	7025	1995
1541779	PRINTER, ADP	$3,750	7025	1996
1541931	PRINTER, ADP	$1,248	7025	1996
1541953	PRINTER, ADP	$5,875	7025	1996
1541986	PRINTER, ADP	$1,248	7025	1996
1939723	PRINTER, ADP	$2,130	7025	1994
1542011	PRINTER, ADP	$2,776	7025	1996
1941146	COMPUTER, MICRO	$4,027	7025	1999
2157001	PRINTER, ADP	$276	7025	2003
2156546	PRINTER, ADP	$6,795	7025	2003
1941176	PRINTER, ADP	$120	7025	2000
2157002	PRINTER, ADP	$276	7025	2003
0042174	PRINTER, ADP	$249	7025	1997
1911000	PRINTER, ADP	$1,228	7025	1997
1911001	PRINTER, ADP	$1,228	7025	1997
1911515	PRINTER, ADP	$2,898	7025	1997
1941311	DISPLAY UNIT	$883	7025	2000
1941312	DISPLAY UNIT	$883	7025	2000
0042203	PRINTER, ADP	$910	7025	1997
2156249	PRINTER, ADP	$1,376	7025	2002

1911278	PRINTER, ADP	$399	7025	1997		
1939086	DISPLAY UNIT	$350	7025	1998		
2156253	PRINTER, ADP	$352	7025	2002		
2156254	PRINTER, ADP	$352	7025	2002		
1941424	DISPLAY UNIT	$7,194	7025	2000		
1939732	PRINTER, ADP	$314	7025	1998		
2155981	PRINTER, ADP	$244	7025	2002		
2156005	SERVER	$14,210	7025	2002		
2156006	DISPLAY UNIT	$150	7025	2002		
2156265	PRINTER, ADP	$1,500	7025	1993		
2156267	PRINTER, ADP	$1,800	7025	1994		
1939421	DISPLAY UNIT	$250	7025	1997		
2156786	PRINTER, ADP	$327	7025	2003		
2156811	DISK DRIVE UNIT,CD/DVD	$380	7025	2003		
	TOTAL LINE ITEMS 285	**$613,838**			$613,838	285

Federal Supply Classification 7110 - Office Furniture

G033737	SAFE, FIREGUARD	$2,978	7110	1988		
0594756	LECTERN, ADJUSTABLE	$1,091	7110	1984		
0824799	PLANFILE	$2,294	7110	1988		
0824801	PLANFILE	$2,294	7110	1988		
0824800	PLANFILE	$2,294	7110	1988		
	TOTAL LINE ITEMS 5	**$10,951**			$10,951	5

Federal Supply Classification 7310 - Food Preparation and Serving Equipment

1225160	OVEN, CONVECTION, GAS BAKING	$5,568	7310	1992		
G032603	REFRIGERATOR, 65 CU.FT.	$8,450	7310	1988		
G032604	CABINETS, HEATED, PASS-THROUGH	$3,975	7310	1988		
2155718	CHARBROILER,GAS	$1,946	7310	2001		
1940229	SERVING UNIT, DRY STORAGE	$2,551	7310	1998		
0132563	FRYER, ELECTRIC	$2,235	7310	1987		
1910663	FRYER, ELECTRIC	$2,235	7310	1987		
2158262	OVEN, CONVECTION; GAS	$5,250	7310	2006		
2157543	COOLER, UNDERCOUNTER	$1,389	7310	2004		
2157545	MERCHANDISER, TABLETOP	$995	7310	2004		

2157563	REFRIGERATOR, REACH-IN	$2,379	7310	2005		
2157564	CABINET, HEATER	$1,989	7310	2005		
2157571	OVEN, ELECTRIC	$4,714	7310	2005		
1322601	GRIDDLE, ELECTRIC	$1,710	7310	1992		
1322602	CUTTER, FOOD	$3,619	7310	1992		
1224998	REFRIGERATOR, MECHANICAL, FOOD	$5,263	7310	1992		
2157677	OVEN, CONVEY0R	$2,271	7310	2005		
0752554	OVEN, MICROWAVE	$329	7310	1983		
1912253	CHARBROILER	$3,058	7310	1997		
2156880	FRYER, GAS	$5,262	7310	2003		
2156881	OVEN, CONVECTION; GAS BAKING	$4,268	7310	2003		
2156882	OVEN, CONVECTION; GAS BAKING	$4,268	7310	2003		
1323391	KETTLE, STEAM JACKETED	$2,892	7310	1993		
1910662	FRYER SYSTEM	$6,828	7310	1992		
1910660	PAN, BRAISING 42"	$5,349	7310	1993		
1910661	PAN, BRAISING 42"	$5,349	7310	1993		
1912399	REFRIGERATOR	$5,186	7310	1997		
1322603	GRIDDLE, GAS	$2,085	7310	1992		
1323392	KETTLE, STEAM JACKETED	$2,892	7310	1993		
2156257	STEAMER,PRESSURE	$13,078	7310	2002		
	TOTAL LINE ITEMS 30	**$117,383**			$117,383	30

Federal Supply Classification 7320 - Kitchen Equipment and Appliances

2158201	DISHWASHER	$1,299	7320	2006		
1939008	FILTRATOR	$960	7320	1998		
2157070	MIXER, ELECTRIC	$5,394	7320	1986		
1322788	SLICER, MEAT	$3,149	7320	1992		
1322789	SLICER, MEAT	$3,149	7320	1992		
1912189	FILTRATOR, PORTABLE	$960	7320	1998		
0042385	THERMOMETER, PORTABLE	$324	7320	1998		
1225162	WASHER, POT, PAN & UTENSIL	$22,286	7320	1991		
2156731	MIXER, FOOD	$370	7320	2003		
	TOTAL LINE ITEMS 9	**$37,891**			$37,891	9

Federal Supply Classifications 7435 - Office Information System Equipment

2157520	SCANNER, OPTICAL	$19,525	7435	2004		

2158212	SCANNER, OPTICAL	$179	7435	2006		
2155907	SCANNER, OPTICAL	$150	7435	2002		
1623997	SCANNER, BARCODE	$2,498	7435	2005		
1623998	SCANNER, BARCODE	$2,498	7435	2005		
2157628	SCANNER, OPTICAL	$13,736	7435	2005		
1939417	SCANNER, OPTICAL	$7,542	7435	1998		
1541850	SCANNER, OPTICAL	$3,245	7435	1996		
1941693	SCANNER, OPTICAL	$3,245	7435	1996		
2157845	READER, BARCODE	$1,906	7435	2005		
2157139	SCANNER, OPTICAL	$13,995	7435	2004		
1622494	ORGANIZER	$399	7435	1998		
1622430	ORGANIZER	$264	7435	1998		
1912046	SCANNER, OPTICAL	$295	7435	1997		
1623925	SCANNER, OPTICAL	$97	7435	2004		
1623648	READER, BARCODE; HANDHELD	$2,159	7435	2004		
1623651	READER, BARCODE; HANDHELD	$2,165	7435	2003		
1623652	READER, BARCODE; HANDHELD	$2,165	7435	2003		
1623653	READER, BARCODE; HANDHELD	$2,165	7435	2003		
1623654	READER, BARCODE; HANDHELD	$2,165	7435	2003		
1623655	READER, BARCODE; HANDHELD	$2,165	7435	2003		
1623656	READER, BARCODE; HANDHELD	$2,165	7435	2003		
1623657	READER, BARCODE; HANDHELD	$2,165	7435	2003		
2155977	READER,BARCODE	$9,150	7435	2002		
1941113	SCANNER, OPTICAL	$15,625	7435	2000		
1941975	SCANNER, OPTICAL	$386	7435	2001		
1910823	SCANNER, OPTICAL	$641	7435	1997		
1911015	SCANNER, OPTICAL	$725	7435	1997		
2156070	SCANNER, OPTICAL	$809	7435	2002		
1623291	SCANNER, OPTICAL	$361	7435	2003		
1623292	SCANNER, OPTICAL	$361	7435	2003		
1623293	SCANNER, OPTICAL	$361	7435	2003		
1623294	SCANNER, OPTICAL	$361	7435	2003		
1623295	SCANNER, OPTICAL	$361	7435	2003		
	TOTAL LINE ITEMS 34	**$116,029**			$116,029	34

Federal Supply Classification 7460 - Visible Record Equipment

G034436	LEKTRIEVER	$4,880	7460	1989		
0015057	LEKTRIEVER	$7,905	7460	1988		
0015137	LEKTRIEVER	$4,777	7460	1988		
0132136	LEKTRIEVER	$11,075	7460	1986		
1324532	LEKTRIEVER	$111,213	7460	1992		
	TOTAL LINE ITEMS 5	**$139,850**			$139,850	5

Federal Supply Classification 7520 - Office Devices & Accessories

1939895	STENCIL MACHINE	$1,996	7520	1998		
	TOTAL LINE ITEMS 1	**$1,996**			$1,996	1

Federal Supply Classification 7730 - Phonograph, Radio & Television Sets

2155716	RECEIVING SET, TELEVISION	$1,000	7730	2001
1325192	RECEIVING SET, TELEVISION	$625	7730	1995
G034590	RECEIVING SET, TELEVISION	$544	7730	1989
G034592	RECEIVING SET, TELEVISION	$544	7730	1989
G034596	RECEIVING SET, TELEVISION	$544	7730	1989
G034597	RECEIVING SET, TELEVISION	$544	7730	1989
0015119	RECEIVING SET, TELEVISION	$340	7730	1988
1539496	RECEIVING SET, TELEVISION	$542	7730	1995
2156298	RECEIVING SET, TELEVISION	$400	7730	2003
2156300	RECEIVING SET, TELEVISION	$400	7730	2003
2156301	RECEIVING SET, TELEVISION	$400	7730	2003
2157594	RECEIVING SET, TELEVISION	$2,500	7730	2005
2157598	RECEIVING SET, TELEVISION	$1,991	7730	2005
2157790	RECEIVING SET, TELEVISION	$249	7730	2005
1540152	RECEIVING SET, TELEVISION	$233	7730	1994
2157656	RECEIVING SET, TELEVISION	$212	7730	2005
2157657	RECEIVING SET, TELEVISION	$212	7730	2005
2157658	RECEIVING SET, TELEVISION	$212	7730	2005
2157660	RECEIVING SET, TELEVISION	$212	7730	2005
1624018	RECORDER-REPRODUCER, VIDEO	$172	7730	2005
1624019	RECORDER-REPRODUCER, VIDEO	$172	7730	2005
1624020	RECORDER-REPRODUCER, VIDEO	$172	7730	2005
1624021	RECORDER-REPRODUCER, VIDEO	$172	7730	2005

0594761	RECEIVING SET, TELEVISION	$636	7730	1984
2157853	RECEIVING SET, TELEVISION	$1,331	7730	2005
0824634	RECEIVING SET, TELEVISION	$329	7730	1987
2157911	RECEIVING SET, TELEVISION	$375	7730	2005
0448047	RECEIVING SET, TELEVISION	$89	7730	1981
1941711	RECEIVING SET, TELEVISION	$320	7730	2001
1939951	RECEIVING SET, TELEVISION	$662	7730	1998
1939952	RECEIVING SET, TELEVISION	$439	7730	1998
1011120	RECEIVING SET, TELEVISION	$361	7730	1990
1011121	RECEIVING SET, TELEVISION	$361	7730	1990
1325219	RECEIVING SET, TELEVISION	$389	7730	1994
1539964	RECEIVING SET, TELEVISION	$4,632	7730	1995
1910635	RECEIVING SET, TELEVISION	$741	7730	1997
1012110	RECEIVER-REPRODUCER SET, TV	$849	7730	1990
1012112	RECEIVING SET, TELEVISION	$320	7730	1990
1172842	RECEIVING SET, TELEVISION	$305	7730	1991
2157389	RECEIVING SET, TELEVISION	$3,399	7730	2004
1223858	RECEIVING SET, TELEVISION 25"	$371	7730	1992
1223763	RECEIVING SET, TELEVISION	$370	7730	1992
0034895	RECEIVING SET, TELEVISION	$179	7730	1996
2157396	RECEIVING SET, TELEVISION	$118	7730	2004
1324630	RECEIVING SET, TELEVISION	$750	7730	1994
2157405	RECEIVING SET, TELEVISION	$320	7730	2004
2157420	RECEIVING SET, TELEVISION	$254	7730	2004
2157421	RECEIVING SET, TELEVISION	$254	7730	2004
2158055	RECEIVING SET, TELEVISION	$90	7730	2005
2158140	RECEIVING SET, TELEVISION	$2,500	7730	2006
2158141	RECEIVING SET, TELEVISION	$2,500	7730	2006
1012298	RECEIVING SET, TELEVISION	$530	7730	1987
G033273	RECEIVING SET, TELEVISION	$495	7730	1988
1910886	RECEIVING SET, TELEVISION	$529	7730	1997
1910887	RECEIVING SET, TELEVISION	$529	7730	1997
1224240	RECEIVER-REPRODUCER SET, TV	$799	7730	1989
1939543	RECEIVING SET, TELEVISION	$329	7730	1998
1939668	RECEIVING SET, TELEVISION	$1,499	7730	1998
1939669	RECEIVING SET, TELEVISION	$1,499	7730	1998

1941444	RECEIVING SET, TELEVISION	$525	7730	2000		
1940442	RECEIVING SET, TELEVISION	$359	7730	1999		
2156783	RECEIVING SET, TELEVISION	$1,300	7730	2003		
2156785	RECEIVING SET, TELEVISION	$390	7730	2003		
	TOTAL LINE ITEMS 63	**$44,419**			$44,419	63

Federal Supply Classification 7830 - Recreational and Gymnasium Equipment

1941218	TRAINER, CROSS	$3,057	7830	2000		
1941219	TRAINER, CROSS	$3,057	7830	2000		
1225186	EXERCISE MACHINE, STATIONARY	$1,695	7830	1992		
2157856	TREADMILL	$4,443	7830	2004		
2157857	TREADMILL	$4,443	7830	2004		
2156845	EXERCISE MACHINE, STATIONARY	$2,028	7830	2003		
2157456	TREADMILL	$5,290	7830	1991		
2156846	EXERCISE MACHINE, STATIONARY	$2,028	7830	2003		
2157243	EXERCISE MACHINE, STATIONARY	$2,026	7830	2003		
2157578	MACHINE, PULLOVER	$2,241	7830	2005		
1223704	STAIRMASTER	$2,074	7830	1992		
2157827	TREADMILL	$4,278	7830	2005		
2157849	TRAINER, CROSS	$3,079	7830	2005		
2157850	BIKE, EXERCISE	$2,026	7830	2005		
2157955	TREADMILL	$4,278	7830	2005		
2157956	TREADMILL	$4,278	7830	2005		
1172711	STAIRMASTER	$2,289	7830	1990		
2158027	BIKE, EXERCISE	$2,073	7830	2005		
2158028	BIKE, EXERCISE	$2,073	7830	2005		
1172712	STAIRMASTER	$2,289	7830	1990		
1941912	CROSSOVER,CABLE	$2,344	7830	2001		
1941919	ASSIST MACHINE, DIP & CHIN	$2,044	7830	2001		
1941409	TRAINER, CROSS	$3,058	7830	2000		
1941920	TRAINER, CROSS	$3,058	7830	2000		
2156782	EXERCISE MACHINE, STATIONARY	$3,500	7830	2003		
	TOTAL LINE ITEMS 25	**$73,049**			$73,049	25
	GRAND TOTAL ALL LIST 1				**$16,217,624**	**2,341**

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Attachment J10 LIST 2
(Class Exceptions)
As of 4/1/2011

ECN	NOMENCLATURE	COST	FSC	YOM	SUBTOTAL	# ITEMS
Federal Supply Classification 2330 - Trailers for Ground Maintenance						
1910795	TRAILER, MOWER TRANSPORTER	1400	2330	1988		
0015174	TRAILER, MOWER TRANSPORTER	1400	2330	1988		
G034296	TRAILER, HYDRAULIC	3660	2330	1984		
	TOTAL LINE ITEMS 3	**$6,460**			$6,460	3
Federal Supply Classification 2420 - Tractors						
0132855	TRACTOR, AGRICULTURE	27420	2420	1987		
0593633	TRACTOR	8514	2420	1978		
0593645	TRACTOR, AGRICULTURE	5545	2420	1975		
0824715	TRACTOR, AGRICULTURE	12850	2420	1988		
	TOTAL LINE ITEMS 4	**$54,329**			$54,329	4
Federal Supply Classification 3695 - Miscellaneous Special Industry Machinery						
1670554	SAW, CHAIN	149	3695	2005		
1670555	SAW, CHAIN	149	3695	2005		
1670556	SAW, CHAIN	149	3695	2005		
1670557	SAW, CHAIN	149	3695	2005		
1670558	SAW, CHAIN	149	3695	2005		
1670559	SAW, CHAIN	149	3695	2005		
1670560	SAW, CHAIN	149	3695	2005		
1670561	SAW, CHAIN	149	3695	2005		
1670562	SAW, CHAIN	149	3695	2005		
1670563	SAW, CHAIN	149	3695	2005		

1670564	SAW, CHAIN	149	3695	2005		
1670565	SAW, CHAIN	149	3695	2005		
1670566	SAW, CHAIN	149	3695	2005		
1670567	SAW, CHAIN	149	3695	2005		
1670568	SAW, CHAIN	149	3695	2005		
1670569	SAW, CHAIN	149	3695	2005		
1670570	SAW, CHAIN	149	3695	2005		
1670571	SAW, CHAIN	149	3695	2005		
1670572	SAW, CHAIN	149	3695	2005		
1910859	SAW, CHAIN	415	3695	1997		
1322675	SAW, CHAIN	469	3695	1992		
0134068	SAW, CHAIN	856	3695	1987		
2156138	SAW, CHAIN	525	3695	2002		
1539458	SAW, CHAIN	349	3695	1995		
0752851	SAW, CHAIN	203	3695	1981		
0824548	SAW, CHAIN	895	3695	1987		
1624135	SAW, CHAIN	403	3695	2005		
1624136	SAW, CHAIN	403	3695	2005		
1624137	SAW, CHAIN	403	3695	2005		
1624138	SAW, CHAIN	403	3695	2005		
1624139	SAW, CHAIN	403	3695	2005		
1624140	SAW, CHAIN	403	3695	2005		
1624141	SAW, CHAIN	403	3695	2005		
1624142	SAW, CHAIN	403	3695	2005		
1624143	SAW, CHAIN	403	3695	2005		
1624144	SAW, CHAIN	403	3695	2005		
2157939	SAW, POLE; EXTENSION	600	3695	2005		
2157940	SAW, POLE; EXTENSION	600	3695	2005		
1012156	SAW, CIRCULAR, CHOP	525	3695	1990		
1012157	SAW, CIRCULAR, CHOP	525	3695	1990		
1939954	SAW, CHAIN	489	3695	1998		
1939955	SAW, CHAIN	102	3695	1998		
	TOTAL LINE ITEMS 42	**$13,414**			$13,414	42

Federal Supply Classifications 3710/3740/3750 - Agricultural Machinery and Equipment

1012296	CUTTER, SOD	2288	3710	1989		
1912926	SPRAYER, HIGH PRESSURE	2204	3740	1998		
1939207	TRIMMER/WEEDEATER	409	3750	1998		
1540303	DIGGER, POST HOLE	953	3750	1995		
1540311	TRIMMER, HEDGE, POWER	383	3750	1995		
1540312	TRIMMER, HEDGE, POWER	383	3750	1995		
2157941	BLOWER, GAS; PORTABLE	150	3750	2005		
1539537	EDGER/TRIMMER	356	3750	1995		
1172892	MOWER, BATWING	19712	3750	1991		
1172853	CHIPPER, LANDSCAPE	11020	3750	1991		
1172891	MOWER, BATWING	19712	3750	1991		
1940091	DIGGER, POST HOLE	639	3750	1998		
1324792	PRUNER	599	3750	1994		
1939301	MOWER, LAWN	1149	3750	1998		
1539536	EDGER/TRIMMER	356	3750	1995		
1539535	EDGER/TRIMMER	356	3750	1995		
1539534	EDGER/TRIMMER	356	3750	1995		
1912968	TRIMMER, WEEDEATER	409	3750	1998		
	TOTAL LINE ITEMS 18	**$61,434**			$61,434	18

Federal Supply Classifications 5110/5120/5130/5180 - Hand Tools

0591439	PUNCH, DRIVER SET	187	5110	1965
0752874	PUNCH, KNOCKOUT DRIVE SET	180	5110	1974
G033703	TOOL, HOSE ASSEMBLY	475	5120	1989
G034021	JACK, 20-TON AIR HYDRAULIC	520	5120	1989
G034022	JACK, 20-TON AIR HYDRAULIC	520	5120	1989
G034023	JACK, 10-TON MANUALLY OPERATED	969	5120	1989
G034024	JACK, 10-TON MANUALLY OPERATED	969	5120	1989
G034025	JACK, 1-TON TRANSMISSION	693	5120	1989
1324699	JACK, FORKLIFT	666	5120	1994

0138499	GRINDER, PNEUMATIC	195	5120	1978
0145580	PULLER/ADOPTOR	124	5120	1983
0590916	WASHER, PARTS CLEAN O MATIC	995	5120	1979
0590938	JACK, HYDRAULIC 10 TON	522	5120	1979
0590952	JACK, HYDRAULIC 10 TON	522	5120	1979
0590955	JACK, HYDRAULIC 10 TON	522	5120	1979
1539947	JACK, TRANSMISSION LOCK	447	5120	1982
0591024	CRANE, HYDRAULIC FLOOR	1399	5120	1982
0591379	JACK, HYDRAULIC 10 TON	188	5120	1981
0752902	TAPE SYSTEM, FISH VACUUM/BLOWR	247	5120	1976
0752932	PULLER, CABLE & WIRE POWERED	1014	5120	1976
1010495	JACK, 100-TON HYDRAULIC	1110	5120	1989
1010496	JACK, 100-TON HYDRAULIC	1110	5120	1989
1324199	CRIMPER, DIELESS	1052	5120	1993
G032553	DRILL	1040	5130	1988
1010173	DRILL, 1/2"	173	5130	1989
1324180	SAW, JIG	130	5130	1993
1541351	GRINDER, DIE 2"	243	5130	1996
G032706	DRILL, 1/2"	159	5130	1988
1224783	UNDERCUTTER, PORTABLE	860	5130	1992
1541349	GRINDER, DIE 2"	243	5130	1996
1541347	GRINDER, DIE 2"	243	5130	1996
2155707	DRILL,1/2"	160	5130	2001
2155764	ROUTER	166	5130	2001
2155708	SAW,CIRCULAR;7 1/4"	200	5130	2001
2155709	SAW,BAND	272	5130	2001
G033066	DRILL, 3/8"	123	5130	1988
G033067	DRILL, 3/8"	123	5130	1988
1910178	SAW, 12" MITER	445	5130	1997
G033275	DRILL, 1/2"	148	5130	1988
G033292	HOLESHOOTER, 1/2"	122	5130	1988
G033293	HOLESHOOTER, 1/2"	122	5130	1988
G033295	HOLESHOOTER, 1/2"	122	5130	1988

G033352	SAW, JIG	194	5130	1988
G033354	SAW, RECIPROCATING	167	5130	1988
1912650	GRINDER, 5" DISC	153	5130	1997
G033574	GRINDER, 4" ANGLE	386	5130	1988
G033575	GRINDER, 4" ANGLE	386	5130	1988
G033576	GRINDER, 4" ANGLE	386	5130	1988
G033577	GRINDER, 4" ANGLE	386	5130	1988
1912652	GRINDER, 5" DISC	153	5130	1997
G033621	GRINDER, HEAVY DUTY 9"	165	5130	1988
G033626	SAW, PORTABLE BAND	455	5130	1988
G033689	WRENCH, 3/8" AIR RATCHET	173	5130	1988
G033690	WRENCH, 3/8" AIR IMPACT	173	5130	1988
0041986	SANDER/GRINDER, 4 1/2"	136	5130	1997
0034688	SAW, 7 1/4" CIRCULAR	249	5130	1996
G033747	GRINDER, 7" ANGLE	151	5130	1988
G033748	GRINDER, 7" ANGLE	151	5130	1988
G033750	GRINDER, 7" ANGLE	151	5130	1988
G033811	WRENCH, IMPACT 1/2" AIR	195	5130	1988
G033812	WRENCH, IMPACT 1/2" AIR	195	5130	1988
G033813	WRENCH, IMPACT 1/2" AIR	195	5130	1988
G033866	DRILL, 1/2"	156	5130	1988
G033936	PLANE, VERSA	387	5130	1988
0034695	DRILL, 3/8" CORDLESS	130	5130	1996
1224620	SANDER/GRINDER, 4 1/2"	116	5130	1992
G034018	SANDER/GRINDER, 5"	189	5130	1989
1910139	PRESS, DRILL ELECTROMAGNETIC	1646	5130	1997
1323472	NIBBLER, PIPE	2798	5130	1993
1912693	DRILL, 3/8"	86	5130	1997
1912694	SCALER, NEEDLE	447	5130	1997
1912696	SCALER, NEEDLE	447	5130	1997
1539466	SAW, BAND	275	5130	1995
1910140	PRESS, DRILL ELECTROMAGNETIC	1646	5130	1997
G034196	GRINDER	165	5130	1989

1539465	SAW, BAND	275	5130	1995
G034273	DRILL, 3/8"	137	5130	1989
G034357	SANDER	148	5130	1989
G034392	FASTENER, POWER ACTUATED	674	5130	1989
1539464	SAW, BAND	275	5130	1995
G034605	POLISHER, 7"	180	5130	1989
2155763	DRILL,ROTARY HAMMER	675	5130	1999
G034862	DRILL, 1/2"	162	5130	1989
G034864	DRILL, 1/2" HAMMER	284	5130	1989
1622275	DRILL, 3/8"	73	5130	1996
1323830	DRILL, HAMMER	714	5130	1993
0014988	DRILL, MAGNETIC, PORTABLE	1485	5130	1988
0015010	SAW, PORTABLE ELECTRIC	186	5130	1988
0015011	SAW, PORTABLE ELECTRIC	186	5130	1988
0015144	DRILL, 3/8" REVERSING	180	5130	1988
0015311	SANDER, ANGLE 7"/9"	129	5130	1988
1939409	SANDER, GRINDER, 9"	197	5130	1998
0015801	GRINDER, 5" ANGLE	157	5130	1989
1939410	SANDER, GRINDER, 9"	197	5130	1998
1541396	GRINDER, ANGLE	360	5130	1996
1541435	GRINDER	348	5130	1996
1223780	SHEAR, POWER	200	5130	1991
1940245	DRILL, 3/8" REVERSING	152	5130	1998
1323987	SANDER, BELT	42	5130	1993
1622557	DRILL, 3/8"	160	5130	1998
1010920	GRINDER, 5" ANGLE	87	5130	1990
1622547	DRILL, 3/8"	160	5130	1998
G033064	DRILL, 3/8" CORDLESS	127	5130	1988
1939422	DRILL, 3/8"	149	5130	1998
0016461	PLANE, PORT-A	302	5130	1989
0125475	SHEAR, PORTABLE SHEET METAL	140	5130	1965
0125498	WRENCH, IMPACT	142	5130	1975
0125634	SHEAR, SHEET METAL	140	5130	1965

0125650	HAMMER, JACK AIR	258	5130	1975
0125658	PLANE, ELECTRIC PORTABLE	140	5130	1965
1539568	SANDER/GRINDER, 4 1/2"	123	5130	1995
1539567	SANDER/GRINDER, 4 1/2"	123	5130	1995
1539573	SAW, 14" CHOP	289	5130	1995
1539574	SAW, 14" CHOP	289	5130	1995
0131839	DRILL, 3/8"	125	5130	1986
0131840	DRILL, 3/8"	125	5130	1986
0132231	DRILL, ELECTRIC 3/8"	115	5130	1986
0125621	WRENCH, IMPACT	344	5130	1967
1541442	WRENCH, IMPACT 1/2"	198	5130	1996
1223509	DRILL, 3/8" CORDLESS	186	5130	1991
1539270	GRINDER, 1 1/2" DIE	172	5130	1995
0041984	GRINDER, 2" DIE	246	5130	1997
1541436	GRINDER	348	5130	1996
1541434	GRINDER	320	5130	1996
0134069	WRENCH, IMPACT	901	5130	1987
0134070	DRILL	861	5130	1987
0135519	SAW, BAND, HAND PORTABLE	232	5130	1975
0136489	SANDER, DISC ELECTRIC PORTABLE	124	5130	1976
0136928	SAW, ELECTRIC PORTABLE	136	5130	1977
0137374	SKILLDRILL	84	5130	1977
0139188	WRENCH, IMPACT ELECTRIC	500	5130	1979
0139629	DRILL, HAMMER	305	5130	1980
1322694	SAW, 7 1/4" HYPOID	177	5130	1992
1912765	SANDER, ORBITAL	147	5130	1998
0144895	DRILL, 3/8"	78	5130	1982
0145009	SANDER/GRINDER, 7"	200	5130	1987
0145738	SANDER, HEAVY DUTY	113	5130	1983
1224283	WRENCH, 3/8" AIR IMPACT	132	5130	1992
1224284	WRENCH, 3/4" AIR IMPACT	347	5130	1992
1224285	WRENCH, IMPACT 1/2" AIR	232	5130	1992
1224286	WRENCH, IMPACT 1/2" AIR	232	5130	1992

1224287	WRENCH, IMPACT 1/2" AIR	232	5130	1992
1912732	DRILL, 3/8" CORDLESS	187	5130	1997
2157555	DRILL, HAMMER	675	5130	2000
1912734	GRINDER, 2" DIE	311	5130	1997
1912735	GRINDER, 2" DIE	246	5130	1997
1912736	GRINDER, 2" DIE	246	5130	1997
1912737	GRINDER, 2" DIE	246	5130	1997
1539611	SCALER, NEEDLE	1095	5130	1995
0041987	SANDER/GRINDER, 4 1/2"	136	5130	1997
0041988	SANDER/GRINDER, 4 1/2"	136	5130	1997
1622730	DRIVER, DRYWALL	93	5130	1999
1622729	DRIVER, DRYWALL	93	5130	1999
1939017	GRINDER, 4 1/2"	283	5130	1998
1622728	DRIVER, DRYWALL	93	5130	1999
1622727	DRIVER, DRYWALL	93	5130	1999
1325461	WRENCH, IMPACT	595	5130	1995
1939019	GRINDER, 4 1/2"	283	5130	1998
1939020	GRINDER, 4 1/2"	283	5130	1998
1939021	GRINDER, 4 1/2"	283	5130	1998
0033964	SAW, 3 3/8" CORDLESS CIRCULAR	216	5130	1996
1939022	GRINDER, 4 1/2"	283	5130	1998
0034506	HAMMER, ROTARY 3/4"	227	5130	1996
0034505	DRILL, 3/8"	102	5130	1996
0034528	PLANE, ELECTRIC	126	5130	1996
0396971	SAW, CIRCULAR	590	5130	1984
0034502	DRILL, 3/8"	212	5130	1996
1939023	GRINDER, 4 1/2"	283	5130	1998
0131837	DRILL, 3/8"	125	5130	1986
0397117	DRILL, HOLGUN 3/8"	120	5130	1986
0397119	DRILL, HOLGUN 3/8"	120	5130	1986
0397120	DRILL, HOLGUN 3/8"	120	5130	1986
0397293	DRILL, 1/4"	38	5130	1986
0397303	DRILL, 1/2" ELECTRIC	125	5130	1985

0398052	ROTARY TOOL KIT, ELECTRIC	411	5130	1986
0398055	WRENCH, IMPACT	89	5130	1986
0398057	GRINDER, PNEUMATIC	192	5130	1986
0591012	SANDER, ELECTRIC PORTABLE HD	118	5130	1974
1539940	NAILER, PNEUMATIC	379	5130	1995
1324639	DRILL, 1/2"	490	5130	1994
G033065	DRILL, 3/8"	123	5130	1988
G034363	SAW, PORTABLE BAND	295	5130	1989
1912931	GRINDER, 2" DIE	246	5130	1998
1540019	HAMMER, PNEUMATIC 3"	619	5130	1995
1912932	GRINDER, 2" DIE	246	5130	1998
1940095	DRILL, 1/2"	168	5130	1998
1912934	GRINDER, 2" DIE	246	5130	1998
1539470	SAW, BAND	343	5130	1995
1539472	DRILL, 3/8"	86	5130	1995
1939165	HOLESHOOTER, 3/4"	785	5130	1998
0591030	SCALER, NEEDLE PNEUMATIC	223	5130	1976
1325241	DRILL, 3/8"	72	5130	1994
0591357	SANDER, BELT	250	5130	1967
0591440	GRINDER, TOOL POST ELECTRIC	354	5130	1967
0592422	SAW, PORTABLE HAND	850	5130	1984
1939908	RATCHET, 3/8" AIR	49	5130	1998
1939909	RATCHET, 3/8" AIR	49	5130	1998
1224358	WRENCH, 3/8" IMPACT	207	5130	1992
1224359	WRENCH, 3/8" IMPACT	207	5130	1992
0014580	DRILL, DYMO	2013	5130	1988
0398053	ROTARY TOOL KIT, ELECTRIC	411	5130	1986
1224360	WRENCH, 3/8" IMPACT	207	5130	1992
1224361	WRENCH, 3/8" IMPACT	207	5130	1992
0593217	WRENCH, IMPACT	176	5130	1983
1622522	SANDER, ORBIT	173	5130	1998
1622521	JOINER, PLATE	429	5130	1998
G034604	DRILL, 3/8"	167	5130	1989

1323905	WRENCH, IMPACT	450	5130	1993
1323906	WRENCH, IMPACT	450	5130	1993
0593688	DRILL, 3/8" ELECTRIC PORTABLE	45	5130	1975
0015175	SANDER/POLISHER	495	5130	1988
0594224	DRILL, 1/4" ELECTRIC PORTABLE	102	5130	1977
1539474	DRILL	134	5130	1995
1539494	SAWZALL	187	5130	1995
1623469	GRINDER, DIE; 1/4" ANGLE	157	5130	2003
G034387	DRILL, 1/2" REVERSING	207	5130	1989
1623470	GRINDER, DIE; 1/4" ANGLE	157	5130	2003
1539487	GRINDER, 4 1/2"	123	5130	1995
1912184	SAW, BAND	292	5130	1997
0752337	DRILL, 3/8"	65	5130	1984
0042000	GRINDER, 7"	246	5130	1997
2157338	CRIMPING TOOL, CORDLESS	2407	5130	2004
1912181	SAW, BAND	292	5130	1997
1224145	STAPLER, PNEUMATIC	398	5130	1992
1912222	GRINDER, 4" DISC	91	5130	1997
1224355	RATCHET, AIR	324	5130	1992
1224356	NAILER, PNEUMATIC	399	5130	1992
1912205	HAMMER, ROTARY	695	5130	1997
0819129	STAPLER, PNEUMATIC	478	5130	1991
0824382	DRILL, 3/8" SHORTY	145	5130	1987
1911417	SAW, BAND	292	5130	1997
0824832	GRINDER, 4 1/2" ANGLE	90	5130	1987
0824833	HAMMER, AIR	29	5130	1987
0824834	SANDER, ANGLE 7"	138	5130	1987
1010019	SANDER/GRINDER, 7"/9"	185	5130	1990
1010024	SAW, 7 1/4" CIRCULAR	103	5130	1989
1010043	SANDER, BELT	172	5130	1989
1940343	SAW, JIG	125	5130	1998
1010135	WRENCH, IMPACT 1/2"	120	5130	1988
1010152	DRILL, 3/8"	98	5130	1989

1010154	DRILL, 3/8"	98	5130	1989
0144945	DRILL, 3/8" HAMMER	100	5130	1987
1010239	SAW, BAND, PORTABLE	181	5130	1989
1939936	WRENCH, IMPACT 1/2"	353	5130	1998
2157920	SAW, BAND	299	5130	2005
1540796	SAW, BAND	378	5130	1996
1540794	GRINDER, DIE	192	5130	1996
1912260	POWER DRIVE	900	5130	1997
1624145	DRILL, 1/2"; CORDLESS	269	5130	2005
1624148	DRILL, 1/2"; CORDLESS	269	5130	2005
1540608	DRILL, 3/8" CORDLESS	247	5130	1996
1223779	DRILL, REVERSING 1/2"	300	5130	1991
1622705	GRINDER, DIE, 1 1/2"	144	5130	1999
1010919	SANDER, BELT	276	5130	1990
1010948	SAW, JIG	98	5130	1990
1010949	SANDER, BELT	172	5130	1990
1912695	SCALER, NEEDLE	447	5130	1997
1322600	WRENCH, IMPACT 3/8"	239	5130	1992
1011511	DRILL, 1/2"	189	5130	1990
1323826	DRILL, 3/8"	90	5130	1993
1911130	SCREWDRIVER, DRYWALL	159	5130	1997
1541227	SAWZALL	257	5130	1996
1325412	DRILL, 3/8" CORDLESS	193	5130	1995
1323931	DRILL, 3/8" CORDLESS	73	5130	1993
1542035	NAILER, PNEUMATIC	403	5130	1996
1012184	GRINDER, 2" DIE	240	5130	1990
1012472	DRILL	196	5130	1989
1012478	DRILL, AIR	150	5130	1989
1012480	DRILL	339	5130	1989
1541228	DRILL, 1/2"	186	5130	1996
1541229	SAW, BAND	378	5130	1996
1541238	DRILL, 1/4"	178	5130	1996
1541239	WRENCH, IMPACT 1/2"	223	5130	1996

1541240	SAWZALL	257	5130	1996
1541235	GRINDER, 4 1/2" ANGLE	119	5130	1996
1541236	GRINDER, 4 1/2" ANGLE	119	5130	1996
1939217	SANDER/GRINDER, 4 1/2"	141	5130	1998
0397118	DRILL, HOLGUN 3/8"	120	5130	1986
1939214	SANDER/GRINDER, 4 1/2"	141	5130	1998
1939213	SANDER/GRINDER, 4 1/2"	141	5130	1998
1541237	HAMMER, ROTARY	775	5130	1996
1323933	DRILL, 1/2"	220	5130	1993
1223532	HAMMER, ROTARY 3/4"	256	5130	1991
1223652	DRILL, 1/2"	162	5130	1991
1323932	DRILL, 1/4"	128	5130	1993
1223671	WRENCH, IMPACT 1/2"	369	5130	1991
0752338	DRILL, 3/8"	65	5130	1984
1912845	PRESS, DRILL	2012	5130	1998
1541232	NAILER, PNEUMATIC	505	5130	1996
1223802	DRILL, HAMMER 1/2"	288	5130	1992
1223844	GRINDER, 5" ANGLE	146	5130	1992
1223931	GRINDER, 5" ANGLE	146	5130	1992
1223848	GRINDER, 5" ANGLE	146	5130	1992
1939999	TRIMMER	189	5130	1998
1325413	DRILL, 3/8"	86	5130	1995
1224488	SANDER	192	5130	1992
1224486	SAW, JIG	186	5130	1992
0036113	DRILL, MAGNETIC, PORTABLE	1553	5130	1992
0036110	DRILL, MAGNETIC, PORTABLE	1589	5130	1992
1224334	SANDER	92	5130	1992
1224335	SANDER	92	5130	1992
1224336	SANDER	92	5130	1992
1224340	DRILL, HAMMER	288	5130	1992
1224339	SAW, RECIPROCATING	176	5130	1992
1224496	NAILER, PNEUMATIC	474	5130	1992
0036114	DRILL, MAGNETIC, PORTABLE	1589	5130	1992

1224658	DRILL, 1/2"	155	5130	1992
1224670	SANDER/GRINDER, 4 1/2"	116	5130	1992
1224631	SANDER/GRINDER, 4 1/2"	116	5130	1992
1224633	SANDER/GRINDER, 4 1/2"	116	5130	1992
1224634	SANDER/GRINDER, 4 1/2"	116	5130	1992
1224637	DRILL, 3/8"	107	5130	1992
1224640	DRILL, 3/8"	107	5130	1992
1224641	DRILL, 3/8"	107	5130	1992
1224642	DRILL, 3/8"	107	5130	1992
1224616	SANDER/GRINDER, 4 1/2"	116	5130	1992
1224628	DRILL, 3/8"	107	5130	1992
1224629	DRILL, 3/8"	107	5130	1992
1224646	SAW, BAND	349	5130	1992
1224648	SAWZALL	187	5130	1992
1541299	SAW, 5 1/2" CIRCULAR	168	5130	1996
1541222	DRILL, 3/8" REVERSING	155	5130	1996
1940656	DRILL, GAS ENGINE	506	5130	1999
2158023	SAW, MITER; 10"	88	5130	2005
1912876	SAW, 12" MITER	599	5130	1998
1622340	ROUTER	166	5130	1998
1622341	ROUTER	166	5130	1998
1940070	WRENCH, IMPACT 1/2"	258	5130	1998
1940076	WRENCH, IMPACT 1/2"	258	5130	1998
1323224	GRINDER, END	104	5130	1993
1323225	DRILL	104	5130	1993
1622548	DRILL, 3/8"	160	5130	1998
1912403	DRILL, 1/2" CORDLESS	238	5130	1997
1940088	DRILL, 1/2"	195	5130	1998
1940089	DRILL, 1/2"	195	5130	1998
1323767	DRILL, 3/8" CORDLESS	127	5130	1993
1622554	DRILL, 3/8"	160	5130	1998
1622553	DRILL, 3/8"	160	5130	1998
1622552	DRILL, 3/8"	160	5130	1998

1622558	DRILL, 3/8"	160	5130	1998
1323990	GRINDER, 6" STRAIGHT	201	5130	1993
1323989	DRILL, 3/8"	110	5130	1993
1323988	DRILL, 3/8"	110	5130	1993
1622556	DRILL, 3/8"	160	5130	1998
1622555	DRILL, 3/8"	160	5130	1998
1324181	ROUTER	298	5130	1993
1324205	WRENCH, IMPACT 1/2"	406	5130	1993
1324190	SAW	179	5130	1993
1223847	GRINDER, 5" ANGLE	146	5130	1992
1940103	GRINDER, 4 1/2"	152	5130	1998
1940096	DRILL, 1/2"	176	5130	1998
1940097	DRILL, 1/2"	176	5130	1998
1324729	DRILL, HAMMER	583	5130	1994
1324775	SAWZALL	240	5130	1994
1324774	HAMMER, ROTARY	487	5130	1994
1324773	HAMMER, ROTARY	450	5130	1994
1324770	DRILL, 1/2"	177	5130	1994
1910945	HAMMER, ROTARY	675	5130	1997
1324803	HAMMER, ROTARY	657	5130	1994
1324806	DRILL, 1/2"	168	5130	1994
1910989	DRILL, 3/8"	239	5130	1997
0014979	DRILL, 3/8" AIR	82	5130	1987
1910946	HAMMER, ROTARY	675	5130	1997
1912874	DRILL, SCREWDRIVER	249	5130	1998
1324881	SANDER	291	5130	1994
1324880	SANDER	291	5130	1994
1324879	SANDER	291	5130	1994
1324877	SAW, 7 1/4" CIRCULAR	149	5130	1994
1324874	DRILL, 3/8"	91	5130	1994
1324872	DRILL, 3/8"	91	5130	1994
1912875	DRILL, SCREWDRIVER	249	5130	1998
1541344	GRINDER, 4 1/2"	134	5130	1996

1539490	GRINDER, 4 1/2"	123	5130	1995
0034864	SAW, BAND	381	5130	1996
0042324	NIBBLER	366	5130	1997
0397284	ROUTER	84	5130	1986
1622687	DRILL, CORDLESS	60	5130	1999
1911050	WRENCH, IMPACT 1/2" AIR	148	5130	1997
1622569	TRIMMER, LAMINATE	149	5130	1998
1622568	DRILL, 1/2"	153	5130	1998
1325417	STAPLER, PNEUMATIC	228	5130	1995
0396761	SAW, CIRCULAR 8-1/4"	269	5130	1986
1325418	STAPLER, PNEUMATIC	228	5130	1995
1325419	ROUTER	201	5130	1995
1325414	DRILL, 3/8"	86	5130	1995
1325411	DRILL, 3/8" CORDLESS	193	5130	1995
1622572	WRENCH, 3/8" IMPACT	119	5130	1998
1541196	SANDER, 7"/9"	173	5130	1996
1541195	SANDER, 7"/9"	173	5130	1996
1622573	WRENCH, 3/8" IMPACT	119	5130	1998
1542041	SAW, 7 1/4" CIRCULAR	66	5130	1996
1542040	SAW, 7 1/4" CIRCULAR	66	5130	1996
1542039	SAW, 6" CIRCULAR	127	5130	1996
1542036	SAW, 7 1/4"	207	5130	1996
1542032	DRILL, 3/8"	141	5130	1996
1542034	NAILER, PNEUMATIC	209	5130	1996
1541984	GRINDER, 4" DISC	69	5130	1996
1541985	GRINDER, DIE	44	5130	1996
1622574	DRILL, 3/8" CORDLES	189	5130	1998
0041983	GRINDER, 2" DIE	246	5130	1997
0041985	GRINDER, 2" DIE	246	5130	1997
0041994	SANDER/GRINDER, 4 1/2"	136	5130	1997
0042001	GRINDER, 7"	246	5130	1997
0042002	GRINDER, 2" DIE	246	5130	1997
0042003	GRINDER, 2" DIE	246	5130	1997

0042005	GRINDER, 2" DIE	246	5130	1997		
0042008	GRINDER, 2" DIE	246	5130	1997		
0042009	GRINDER, 2" DIE	246	5130	1997		
0042010	SANDER/GRINDER, 4 1/2"	136	5130	1997		
0042012	SANDER/GRINDER, 4 1/2"	136	5130	1997		
1541340	GRINDER, 4 1/2"	134	5130	1996		
0041957	DRILL, 3/8" CORDLESS	189	5130	1997		
0041958	SAW, JIG	37	5130	1997		
1940736	GREASE GUN, CORDLESS	280	5130	1999		
1910982	WRENCH, 1" AIR IMPACT	790	5130	1997		
1010950	SANDER, BELT	172	5130	1990		
1224635	SANDER/GRINDER, 4 1/2"	116	5130	1992		
1940078	DRILL, 1/2"	195	5130	1998		
1939024	GRINDER, 4 1/2"	283	5130	1998		
0042200	NAILER, PNEUMATIC	225	5130	1997		
0042201	NAILER, PNEUMATIC	454	5130	1997		
1911010	JOINER, PLATE	189	5130	1997		
1911009	ROUTER	212	5130	1997		
G033355	SAW, RECIPROCATING	167	5130	1988		
1940104	GRINDER, 4 1/2"	152	5130	1998		
1939135	WRENCH, IMPACT 1/2"	169	5130	1998		
1940155	RATCHET, 3/8" AIR	185	5130	1998		
1322706	DRILL, 3/8"	156	5130	1992		
1940890	TOOL OUTFIT, TRAILER MOUNTED	2000	5180	1978		
0591020	TOOL SET	600	5180	1983		
0594424	PULLER WHEEL	233	5180	1983		
	TOTAL LINE ITEMS 431	**$128,038**			$128,038	431

Federal Supply Classification 7420/7430/7435/7450/7460/7490 - Office Machines,Text Processing Systems,and Visible Record Equipment

1323276	CALCULATOR, ELECTRONIC	230	7420	1993
1622839	CALCULATOR, ELECTRONIC	115	7420	2000
1912662	CALCULATOR, ELECTRONIC	129	7420	1997

1912659	CALCULATOR, ELECTRONIC	129	7420	1997
1912658	CALCULATOR, ELECTRONIC	128	7420	1997
1912656	CALCULATOR, ELECTRONIC	129	7420	1997
1912653	CALCULATOR, ELECTRONIC	129	7420	1997
1940179	CALCULATOR, ELECTRONIC	159	7420	1998
0592468	CALCULATOR, ELECTRONIC	200	7420	1984
1940185	CALCULATOR, ELECTRONIC	159	7420	1998
G033485	CALCULATOR, ELECTRONIC	151	7420	1988
G033489	CALCULATOR, ELECTRONIC	151	7420	1988
1940191	CALCULATOR, ELECTRONIC	159	7420	1998
1940192	CALCULATOR, ELECTRONIC	159	7420	1998
1225230	CALCULATOR, ELECTRONIC	178	7420	1992
1225223	CALCULATOR, ELECTRONIC	240	7420	1992
1225218	CALCULATOR, ELECTRONIC	240	7420	1992
1912707	CALCULATOR, ELECTRONIC	204	7420	1997
1623091	CALCULATOR, ELECTRONIC	162	7420	2002
0015882	CALCULATOR, ELECTRONIC	313	7420	1988
0015883	CALCULATOR, ELECTRONIC	313	7420	1988
0015910	CALCULATOR, ELECTRONIC	156	7420	1988
0015924	CALCULATOR, ELECTRONIC	156	7420	1988
0015925	CALCULATOR, ELECTRONIC	156	7420	1988
1539695	CALCULATOR, ELECTRONIC	110	7420	1995
0132141	CALCULATOR, ELECTRONIC	161	7420	1986
0132268	CALCULATOR, ELECTRONIC	161	7420	1986
0592469	CALCULATOR, ELECTRONIC	200	7420	1984
1010835	CALCULATOR, ELECTRONIC	210	7420	1986
0144861	CALCULATOR, ELECTRONIC	86	7420	1987
0812303	CALCULATOR, ELECTRONIC	304	7420	1989
0592457	CALCULATOR, ELECTRONIC	200	7420	1984
1540326	CALCULATOR, ELECTRONIC	189	7420	1995
0752406	CALCULATOR, ELECTRONIC	184	7420	1980
0812306	CALCULATOR, ELECTRONIC	152	7420	1989
0812317	CALCULATOR, ELECTRONIC	152	7420	1989

0812318	CALCULATOR, ELECTRONIC	152	7420	1989
0812417	CALCULATOR, ELECTRONIC	249	7420	1990
0812418	CALCULATOR, ELECTRONIC	249	7420	1990
0812419	CALCULATOR, ELECTRONIC	249	7420	1990
1012102	CALCULATOR, ELECTRONIC	152	7420	1989
1172645	CALCULATOR, ELECTRONIC	178	7420	1990
1172646	CALCULATOR, ELECTRONIC	178	7420	1990
1172657	CALCULATOR, ELECTRONIC	240	7420	1990
1223747	CALCULATOR, ELECTRONIC	180	7420	1992
1223841	CALCULATOR, ELECTRONIC	280	7420	1992
0036137	CALCULATOR, ELECTRONIC	340	7420	1992
1323271	CALCULATOR, ELECTRONIC	170	7420	1993
1323295	CALCULATOR, ELECTRONIC	170	7420	1993
0034202	CALCULATOR	130	7420	1994
1541975	CALCULATOR, ELECTRONIC	112	7420	1996
G033333	TYPEWRITER, WHEELWRITER 10	365	7430	1988
1940238	TYPEWRITER, WHEELWRITER 3500	828	7430	1998
1940231	TYPEWRITER, WHEELWRITER 3500	828	7430	1998
1940881	TYPEWRITER	169	7430	1999
0015439	TYPEWRITER, WHEELWRITER 10	365	7430	1988
0015444	TYPEWRITER, WHEELWRITER 10	365	7430	1988
0015450	TYPEWRITER, WHEELWRITER 10	365	7430	1988
0015455	TYPEWRITER, WHEELWRITER 10	365	7430	1988
0015456	TYPEWRITER, WHEELWRITER 10	365	7430	1988
0015550	TYPEWRITER, WHEELWRITER 30	812	7430	1988
0131888	TYPEWRITER, WHEELWRITER 6	710	7430	1986
0133474	TYPEWRITER, WHEELWRITER 6	710	7430	1987
1941684	TYPEWRITER, WHEELWRITER 6	710	7430	1987
0133483	TYPEWRITER, WHEELWRITER 6	710	7430	1987
0133515	TYPEWRITER, WHEELWRITER 6	710	7430	1987
0293061	TYPEWRITER	575	7430	1985
0396782	TYPEWRITER	799	7430	1986
2156181	TYPEWRITER	731	7430	1985

1540159	TYPEWRITER, WHEELWRITER 3500	828	7430	1995		
1225210	TYPEWRITER	812	7430	1992		
0752017	TYPEWRITER	610	7430	1984		
1011087	TYPEWRITER, WHEELWRITER 30	812	7430	1990		
1011088	TYPEWRITER, WHEELWRITER 30	812	7430	1990		
1172520	TYPEWRITER, WHEELWRITER 30	812	7430	1990		
1223757	TYPEWRITER, WHEELWRITER 30	812	7430	1992		
1910835	TYPEWRITER, WHEELWRITER 3500	828	7430	1997		
1910836	TYPEWRITER, WHEELWRITER 3500	828	7430	1997		
G032963	TRANSCRIBER, MICROCASSETTE	250	7450	1988		
0753393	DICTATING MACHINE	228	7450	1985		
1622708	TRANSCRIBER	199	7450	1999		
2157719	PUNCH, ELECTRIC	718	7490	2005		
2155856	CUTTER,HYDRAULIC	16100	7490	2002		
1623870	REGISTER, CASH	3935	7490	2004		
1623871	REGISTER, CASH	3935	7490	2004		
1623872	REGISTER, CASH	3935	7490	2004		
1623873	REGISTER, CASH	3935	7490	2004		
2157117	SHREDDING MACHINE, PAPER	1695	7490	2004		
1540160	SHREDDING MACHINE, PAPER	1308	7490	1996		
0036498	LABELING SYSTEM, ELECTRONIC	406	7490	1992		
0824670	TIME/DATE STAMP MACHINE	355	7490	1987		
1010393	DRILL, PAPER ELECTRIC	4676	7490	1989		
1011159	SHREDDING MACHINE, PAPER	879	7490	1990		
2157285	MAILING MACHINE	3768	7490	2004		
2157286	MAILING MACHINE	1956	7490	2004		
1623230	LABELING SYSTEM, ELECTRONIC	180	7490	2003		
	TOTAL LINE ITEMS 96	**$75,477**			$75,477	96

Federal Supply Classification 7910 - Floor Polishers and Vacuum Cleaning Equipment

1912648	CLEANER, VACUUM, BACKPACK	1193	7910	1998
G033527	CLEANER, VACUUM, ELECTRIC	473	7910	1988
2156582	CLEANER, VACUUM; ELECTRIC	805	7910	2003

1911408	CLEANER, VACUUM, ELECTRIC	508	7910	1997
1225289	CLEANER, VACUUM, ELECTRIC	996	7910	1992
1323868	CLEANER, VACUUM, ELECTRIC	324	7910	1993
1539794	CLEANER, VACUUM, ELECTRIC	729	7910	1995
1940766	CLEANER, VACUUM, ELECTRIC	441	7910	1999
1940765	CLEANER, VACUUM, ELECTRIC	441	7910	1999
1940763	CLEANER, VACUUM, ELECTRIC	441	7910	1999
1940762	CLEANER, VACUUM, ELECTRIC	441	7910	1999
1940761	CLEANER, VACUUM, ELECTRIC	441	7910	1999
0819155	BLOWER, TURBO	213	7910	1991
1940758	CLEANER, VACUUM, ELECTRIC	441	7910	1999
1940757	CLEANER, VACUUM, ELECTRIC	441	7910	1999
1940756	CLEANER, VACUUM, ELECTRIC	441	7910	1999
1940755	CLEANER, VACUUM, ELECTRIC	441	7910	1999
0753108	CLEANER, VACUUM, GAS	1026	7910	1982
1325491	CLEANER, VACUUM, ELECTRIC	324	7910	1995
0594296	CLEANER, TUBE	875	7910	1983
1940783	CLEANER, VACUUM, ELECTRIC	1375	7910	1999
1940779	CLEANER, VACUUM, ELECTRIC	571	7910	1999
1940780	CLEANER, VACUUM, ELECTRIC	571	7910	1999
1323378	CLEANER, VACUUM, ELECTRIC	1484	7910	1993
1325482	CLEANER, VACUUM, ELECTRIC	324	7910	1995
0036142	CLEANER, VACUUM	488	7910	1992
1940781	EXTRACTOR, CARPET	4153	7910	1999
1940782	EXTRACTOR, CARPET	4153	7910	1999
1539353	SCRUBBER, FLOOR	582	7910	1995
1010291	CLEANER, VACUUM, ELECTRIC	355	7910	1989
1540611	CLEANER, VACUUM, ELECTRIC	595	7910	1996
1940784	SCRUBBER, FLOOR	3401	7910	1999
1940786	FLOOR MACHINE	1265	7910	1999
1940790	CLEANER, VACUUM, ELECTRIC	305	7910	1999
1940789	CLEANER, VACUUM, ELECTRIC	305	7910	1999
1940788	CLEANER, VACUUM, ELECTRIC	305	7910	1999

1912362	CLEANER, VACUUM, ELECTRIC	835	7910	1998		
1012393	CLEANER, STEAM, PRESSURE JET	795	7910	1990		
1941836	SCRUBBING MACHINE,FLOOR	11076	7910	2001		
1940825	CLEANER, VACUUM, ELECTRIC	915	7910	1999		
0131980	CLEANER, VACUUM, ELECTRIC	753	7910	1986		
0036140	CLEANER, VACUUM	488	7910	1992		
0036141	CLEANER, VACUUM	488	7910	1992		
0036144	CLEANER, VACUUM	488	7910	1992		
0036145	CLEANER, VACUUM	488	7910	1992		
1322899	CLEANER, VACUUM, ELECTRIC	475	7910	1993		
1322896	CLEANER, VACUUM, ELECTRIC	475	7910	1993		
1322895	CLEANER, VACUUM, ELECTRIC	475	7910	1993		
1322894	CLEANER, VACUUM, ELECTRIC	475	7910	1993		
1324536	CLEANER, VACUUM, ELECTRIC	475	7910	1993		
1324654	VACUUM SYSTEM, FISH TAPE	1823	7910	1994		
2158097	CLEANER, VACUUM; ELECTRIC	467	7910	2006		
1541761	CLEANER, VACUUM	999	7910	1996		
1911005	CLEANER, VACUUM, ELECTRIC	118	7910	1997		
	TOTAL LINE ITEMS 54	**$53,775**			$53,775	54
	GRAND TOTAL ALL LIST 2	**$392,927**			$392,927	648

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Jacobs Technology Inc. Depreciation Expense Report- FOSC as of March 31, 2011

(b)(4)

(b)(4)

(b)(4)

Report Name: Monthly Depreciation Expense - FOSC
Source Report: Depreciation Expense

Calculation Assumptions:
Short Year: none
Include Sec 168 Allowance & Sec 179: No
Adjustment Convention: Immediate

Key Codes:
a: A depreciation adjustment amount is included in the reporting period.
b: The asset's business-use percentage is less than 100%.
d: The asset has been disposed.
f: The asset has switched from a MACRS table calculation to the MACRS formula calculation.
l: The asset's depreciation has been limited by luxury auto rules.
m: The asset's depreciation was calculated using the mid-quarter convention.
r: The asset's acquired value was reduced to arrive at the depreciable basis.
s: The asset has switched from declining-balance to a straight-line.
t: The asset was transferred.
v: The asset has switched to remaining value over remaining life due to ACE.

Group/Sorting Criteria:
Group = FOSC
Include Assets that meet the following conditions:
Cost Center ID # is 31
Sorted by: System No, Extension

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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 13

2. AMENDMENT/MODIFICATION NO. 000271

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. (If applicable)

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY (If other than Item 6) CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED (SEE ITEM 13) 07/14/2007

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)
See Schedule Net Decrease: -$797,711.18

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.232-22 Limitation of Funds (Apr 1984)

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

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

LIST OF CHANGES:

1. This purpose of this modification is to complete a zero dollar adjustment (#103 & #112) and a deobligation action (#97). See continuation pages 12-13.

2. All other terms and conditions remain the same.

Obligated Amount for this Modification: -$797,711.18
New Total Obligated Amount for this Award: $319,568,031.54
Incremental Funded Amount changed: from

(b)(4)

Continued ...

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) LARRY BRAMLITT VP/GM

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Beth L. Bradley

15B. CONTRACTOR/OFFEROR Larry Bramlitt (Signature of person authorized to sign)

15C. DATE SIGNED 4-20-2011

16B. UNITED STATES OF AMERICA Beth L. Bradley (Signature of Contracting Officer)

16C. DATE SIGNED 4-20-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: -$363,051.89 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/269915.09.01.01/000/2540/64/CECX62010D/769Z Account code changed from 64RA10/6100.2540/64/FC000000/269915.09.01.01/000/2540/64/CECX62010D/769Z/3/4 to 64RA10/6100.2540/FC000000/269915.09.01.01/000/2540/64/CECX62010D/769Z Amount changed from $37,499.99 to $12,207.69 Percent changed from .01591 to .00516 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Account code changed from 64RA10/6100.2540/64/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A/18/19 to 64RA10/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Amount changed from $7,583.68 to $.01 Percent changed from .00322 to 0 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.54/000/2540/64/EXPX22010D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.54/000/2540/64/EXPX22010D/234A/13/14 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.54/000/2540/64/EXPX22010D/234A Amount changed from $30,000.00 to $13,375.12 Percent changed from .01272 to .00566 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.98.03.09.02/000/2540/64/ESAX02007D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.98.03.09.02/000/2540/64/ESAX02007D/234A/2/3 to 64PA00/6100.2540/FC000000/136905.98.03.09.02/000/2540/64/ESAX02007D/234A Amount changed from $123,097.61 to $23,097.61 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .06824 to .00977 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8710.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8710.10/000/2540/64/CASX22010R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8710.10/000/2540/64/CASX22010R/CASP Amount changed from $25.00 to $.02 Percent changed from .00001 to 0 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/739788.40.09/000/2540/64/CASX22009D/618I Account code changed from 64RA00/6100.2540/64/FC000000/739788.40.09/000/2540/64/CASX22009D/618I/3/4 to 64RA00/6100.2540/FC000000/739788.40.09/000/2540/64/CASX22009D/618I Amount changed from $83,000.00 to $77,448.96 Percent changed from .04438 to .03275 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/999657.09.01.01/000/2540/64/CASX02009D/255X Amount changed from $215,000.00 to $.01 Percent changed from .09966 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/999657.09.01.01/000/2540/64/CASX02009D/255X Amount changed from $200,000.00 to $96,999.99 Percent changed from .09271 to .04102 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.7031.01/000/2540/64/EXCX22007R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.7031.01/000/2540/64/EXCX22007R/SOMD/2/3 to 64BA22/6100.2540/FC000000/892182.01.09.7031.01/000/2540/64/EXCX22007R/SOMD Amount changed from $5,000.00 to $4,717.35 Percent changed from .00267 to .00199 CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/329527.01.09.8573.09/000/2540/64/CASX22009R/CASP Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64BA00/6100.2540/64/FC000000/329527.01.09.8573.09/ 000/2540/64/CASX22009R/CASP/10/11 to 64BA00/6100.2540/FC000000/329527.01.09.8573.09/000 /2540/64/CASX22009R/CASP Amount changed from $9,786.75 to $8,704.35 Percent changed from .00523 to .00368 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/6/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 6/000/2540/64-956635/EXCX02006D/538A/5/6 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/6/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $1,029,000.00 to $611,996.12 Percent changed from .4814 to .25881 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8790.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8790.10/ 000/2540/64/CASX22010R/CASP/10/11 to 64BA22/6100.2540/FC000000/329527.01.09.8790.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,535.07 to $.01 Percent changed from .00493 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8727.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8727.10/ 000/2540/64/CASX22010R/CASP/17/18 to 64BA22/6100.2540/FC000000/329527.01.09.8727.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,000.00 to $1,441.03 Percent changed from .00093 to .00061 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.02.09.02.1/ 1/000/2540/64/EXPX02009D/234A/1/48 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $67,418.44 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .02851 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.04/000/2 540/64/CECX62011D/769Z/2/49 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $148,200.00 Percent: .06267 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.03/000/2 540/64/CECX62011D/769Z/3/50 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $232,335.48 Percent: .09825 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 9/000/2540/64-956635/EXCX02006D/538A/4/51 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,214.48 Percent: .02124 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.01/000/2 540/64/CECX62010D/769Z/6/53 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $319.54 Percent: .00014 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.04/000/2540/64/CASX32009D/255X/5/52 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $41,000.00 Percent: .01734 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: -$434,659.29 Incremental Funded Amount changed from $54,950,153.45 to $54,515,494.16 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Amount changed from $610,283.79 to $576,028.25 Percent changed from 1.08638 to 1.04827 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Account code changed from 64RA10/6100.2540/64/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A/16/17 to 64RA10/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Amount changed from $113,129.20 to $.01 Percent changed from .19691 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Account code changed from 64RA10/6100.2540/64/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A/3/4 to 64RA10/6100.2540/FC000000/136905.98.04.02.09/000/2540/64/EXPX02009D/234A Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $136,587.00 to $.01 Percent changed from .24075 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/269915.09.01.06/000/2540 /64/CECX62010D/769Z Account code changed from 64RA10/6100.2540/64/FC000000/269915.09.01.06/000/2 540/64/CECX62010D/769Z/7/8 to 64RA10/6100.2540/FC000000/269915.09.01.06/000/2540 /64/CECX62010D/769Z Amount changed from $15,000.00 to $.01 Percent changed from .02644 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/136905.98.04.01.09/000/2 540/64/ESAX02008D/234A Account code changed from 64RA10/6100.2540/64/FC000000/136905.98.04.01.09/00 0/2540/64/ESAX02008D/234A/8/9 to 64RA10/6100.2540/FC000000/136905.98.04.01.09/000/2 540/64/ESAX02008D/234A Amount changed from $60,588.42 to $15,185.84 Percent changed from .10679 to .02764 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8727.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8727.10/ 000/2540/64/CASX22010R/CASP/21/22 to 64BA22/6100.2540/FC000000/329527.01.09.8727.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,800.00 to $.01 Percent changed from .0032 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8790.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8790.10/ 000/2540/64/CASX22010R/CASP/39/40 to 64BA22/6100.2540/FC000000/329527.01.09.8790.10/000 /2540/64/CASX22010R/CASP Amount changed from $19,394.90 to $5,000.01 Percent changed from .03453 to .0091 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/241491.50.09.01/000/2540 /64/CECX62010D/672F Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $216,907.53 to $126,622.53 Percent changed from .39099 to .23043 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8629.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8629.10/ 000/2540/64/CASX22010R/CASP/3/4 to 64BA22/6100.2540/FC000000/329527.01.09.8629.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,500.00 to $3,047.27 Percent changed from .00628 to .00555 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8645.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,960.08 to $10,400.55 Percent changed from .01951 to .01893 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8588.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8588.09/ 000/2540/64/CASX22009R/CASP/5/6 to 64BA22/6100.2540/FC000000/329527.01.09.8588.09/000 /2540/64/CASX22009R/CASP Amount changed from $75,890.57 to $73,601.27 Percent changed from .1368 to .13394 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.01/000/2 540/64/CECX62010D/769Z/1/89 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $19,496.44 Percent: .03548 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/097596.09.01.02/000/2540 /64/CECX62011D/769Z Account code changed from 64RA10/6100.2540/64/FC000000/097596.09.01.02/000/2 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	540/64/CECX62011D/769Z/1/2 to 64RA10/6100.2540/FC000000/097596.09.01.02/000/2540 /64/CECX62011D/769Z Amount changed from $526,000.00 to $0.00 Percent changed from 1.035 to 0 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/804911.02.09.8832.11/000 /2540/64/CASX12011R/CASP Account code changed from 64PA00/6100.2540/64/FC000000/804911.02.09.8832.11/ 000/2540/64/CASX12011R/CASP/3/4 to 64PA00/6100.2540/FC000000/804911.02.09.8832.11/000 /2540/64/CASX12011R/CASP Amount changed from $104,566.00 to $70,166.00 Percent changed from .20056 to .13806 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8923.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8923.11/ 000/2540/64/CASX12011R/CASP/12/13 to 64BA22/6100.2540/FC000000/329527.01.09.8923.11/000 /2540/64/CASX12011R/CASP Amount changed from $2,000.00 to $.01 Percent changed from .00384 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.9003.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.9003.11/ 000/2540/64/CASX12011R/CASP/37/38 to 64BA22/6100.2540/FC000000/329527.01.09.9003.11/000 /2540/64/CASX12011R/CASP Amount changed from $15,000.00 to $8,000.00 Percent changed from .02877 to .01574 CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/097596.09.01.01/000/2540 /64/CECX62011D/769Z Account code changed from 64BA00/6100.2540/64/FC000000/097596.09.01.01/000/2 540/64/CECX62011D/769Z/11/13 to 64BA00/6100.2540/FC000000/097596.09.01.01/000/2540 /64/CECX62011D/769Z Amount changed from $19,815.99 to $.01 Percent changed from .03801 to 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/956635.09.06.07.05.0/7/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64BA00/6100.2540/64/FC000000/956635.09.06.07.05.0/ 7/000/2540/64-956635/EXCX02006D/538A/16/18 to 64BA00/6100.2540/FC000000/956635.09.06.07.05.0/7/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $54,746.09 to $.01 Percent changed from .10501 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.02/000/2 540/64/CECX62010D/769Z/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $526,000.00 Percent: 1.035 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/884617.04.04.01.09.0/ 2.08/000/2540/64/CASX12011D/922A/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,980.49 Percent: .08064 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.02.09.02.1/ 1/000/2540/64/EXPX02009D/234A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $32,581.56 Percent: .06411 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $34,400.00 Percent: .06769 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through July 08, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 2 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 26,206,905.28	**-$797,711.18**	**$ 27,004,616.46**

4. Accounting and Appropriation Data:

PR #	Amount
4200385716	$676,946.43
Deob Document # 103	-$676,946.43
Deob Document # 112	-$526,000.00
4200385621	$526,000.00
Deob Document #97	$797,711.18

See Funding Data, Pages 1-11

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 27

2. AMENDMENT/MODIFICATION NO. 000272

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)* Net Increase: $9,534,719.47
See Schedule

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

CHECK ONE

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).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

X D. OTHER *(Specify type of modification and authority)*
52.232-22 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200385692, 4200385143, 4200385288, 4200385891, 4200385870, 4200386090)

2. See continuation pages 26 and 27.

3. All other terms and conditions remain the same.

Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 4-21-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	LIST OF CHANGES: Reason for Modification : Funding Only Action Total Amount for this Modification: $0.00 New Total Amount for this Version: $105,771,869.00 New Total Amount for this Award: $612,453,012.00 Obligated Amount for this Modification: $9,534,719.47 New Total Obligated Amount for this Award: $329,102,751.01 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $9,534,719.47 Incremental Funded Amount changed from [redacted] (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.04.02.09.0/ 1/000/2540/64/EXPX02009D/234A/13/14 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $574,700.82 Percent: 1.13083 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 5/000/2540/64-956635/EXCX02006D/538A/14/15 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $80,854.55 Percent: .1591 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.9016.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64PA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,174.07 Percent: .00625 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $24,941.75 Percent: .04908 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $111.75 Percent: .00022 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/572196.06.09/000/2540 /64/CASX12011D/618I/18/19 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $75.17 Percent: .00015 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	4.53/000/2540/64/EXPX22010D/234A/19/20 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $16,624.88 Percent: .03271 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/424606.01.17.08.02/00 0/2540/64/EXCX22011D/733B/20/21 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19677 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/424606.01.17.08.03/00 0/2540/64/EXCX22011D/733B/21/22 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,000.00 Percent: .39354 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/097596.09.01.03/000/2 540/64/CECX62011D/769Z/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,867,664.52 Percent: 5.64263 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64RA10/6100.2540/64/FC000000/999657.09.01.03/000/2 540/64/CASX02009D/255X/2/3 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $68,000.00 Percent: .1338 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/999657.09.01.04/000/2 540/64/CASX02009D/255X/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $250,000.00 Percent: .49192 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.1/ 7/000/2540/64-956635/EXCX02006D/538A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40.80 Percent: .00008 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 5/000/2540/64-956635/EXCX02006D/538A/5/6 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $23,388.39 Percent: .04602 Subject To Funding: Payment Address: Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 7/000/2540/64-956635/EXCX02006D/538A/6/7 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $157,427.07 Percent: .30977 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/64-6470-00/000/2540/6 4-6470/SFCX02004D/UA/7/8 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/196325.02.01/000/2540 /64-196325/ESAX02006D/389A/8/9 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,833.95 Percent: .00558 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.08.01.09/00 0/2540/64/ESAX02007D/234A/10/11 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,185.84 Percent: .02988 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.04.02.09.0/ 1/000/2540/64/ESAX02008D/234A/11/12 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $45,402.58 Percent: .08934 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .29515 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8832.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $34,400.00 Percent: .06769 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.24/000/2540/64/EXPX22011D/234A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $2,400.00 Percent: .00472 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $141,000.00 Percent: .27744 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $32,000.00 Percent: .06297 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.28/000/2540/64/EXPX22011D/234A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $144,000.00 Percent: .28335 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.53/000/2540/64/EXPX22011D/234A/6/7 Cost Center 64PA00 GI Account 6100.2540 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $2,800.00 Percent: .00551 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.55/000/2540/64/EXPX22011D/234A/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $215,000.00 Percent: .42305 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $34,000.00 Percent: .0669 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.58/000/2540/64/EXPX22011D/234A/9/10 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $211,000.00 Percent: .41518 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.23/000/2540/64/EXPX22011D/234A/1/2 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,600.00 Percent: .00315 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04919 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/811540.03.01.09/000/2 540/64/CASX12011D/512F/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00394 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $153,000.00 Percent: .30105 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/3/000/2540/64/EXCX22011D/734A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $115,000.00 Percent: .22628 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/000/2540/64/EXCX22011D/734A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $287,000.00 Percent: .56472 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.29/000/2540/64/EXCX22011D/734A/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $116.53 Percent: .00023 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,600.00 Percent: .04053 Subject To Funding: Payment Address: Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,470.00 Percent: .01273 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.10.02.09/000/2 540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,364.00 Percent: .04007 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.03.09/000/2 540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $56.00 Percent: .00011 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $83,234.00 Percent: .16378 Subject To Funding: Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $193,663.00 Percent: .38107 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,871.00 Percent: .01549 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $67,867.00 Percent: .13354 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $44,262.00 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .08709 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,327.00 Percent: .02819 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $464,300.00 Percent: .91359 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,105.00 Percent: .02775 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/12/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $309,826.00 Percent: .60964 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2 540/64/CASX12011D/361N/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $83,662.00 Percent: .16462 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/14/15 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $41,752.00 Percent: .08215 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/15/16 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,142.00 Percent: .01209 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.02/000/2 540/64/CECX62011D/573Z/16/17 Cost Center 64RA00 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,727.00 Percent: .0152 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2 540/64/CECX62011D/573Z/17/18 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,569.00 Percent: .02473 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62011D/573Z/18/19 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,396.00 Percent: .00668 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.07/000/2 540/64/CECX62011D/573Z/19/20 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $570.00 Percent: .00112 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8623.11/ Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,240.32 Percent: .00244 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8855.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,994.41 Percent: .00392 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8964.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,000.00 Percent: .00787 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8823.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $34,000.00 Percent: .0669 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9039.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $60,000.00 Percent: .11806 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9018.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $186,651.01 Percent: .36727 Subject To Funding: Payment Address: Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8820.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19677 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8918.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .19677 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8687.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,979.97 Percent: .0157 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8818.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,000.00 Percent: .02952 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8854.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,799.00 Percent: .09996 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8922.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8892.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $300,000.00 Percent: .5903 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8992.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $45,622.40 Percent: .08977 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8990.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8931.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,500.00 Percent: .02853 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8968.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04919 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8969.11/ 000/2540/64/CASX12011R/CASP/20/21 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

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JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .09838 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8970.11/ 000/2540/64/CASX12011R/CASP/21/22 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8975.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .07871 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8971.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8976.11/ 000/2540/64/CASX12011R/CASP/24/25 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,000.00 Percent: .02952 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8972.11/ 000/2540/64/CASX12011R/CASP/25/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04919 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8973.11/ 000/2540/64/CASX12011R/CASP/26/27 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04919 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8974.11/ 000/2540/64/CASX12011R/CASP/27/28 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04919 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/28/29 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $754,139.51 Percent: 1.4839 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/129985.01.09.01/000/2 540/64/CASX12011R/CMO/29/30 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $154,350.00 Percent: .30371 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8894.11/ 000/2540/64/CASX12011R/CASP/30/31 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00984 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8994.11/ 000/2540/64/CASX12011R/CASP/31/32 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00984 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9025.11/ 000/2540/64/CASX12011R/CASP/32/33 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,858.85 Percent: .01153 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/804911.02.09.8811.11/ 000/2540/64/CASX12011R/CASP/33/34 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $78.33 Percent: .00015 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows: (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through August 18, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows: Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through August 18, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 27,004,616.46	**$9,534,719.47**	**$ 17,469,896.99**

4. Accounting and Appropriation Data:

PR #	Amount
4200385692	$602,716.53
4200385143	$1,382,163.00
4200385288	$2,131,213.80
4200385891	$4,450,426.14
4200385870	$184,400.00
4200386090	$783,800.00

See Funding Data, Pages 1-25.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 000273

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. 4200388193

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

This administrative modification is a zero dollar adjustment (Zero #118, PR #4200388193).
All other terms & conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $236,466,966.00
New Total Amount for this Award: $612,453,012.00
CHANGES FOR LINE ITEM NUMBER: 2

CHANGES FOR ACCOUNTING CODE:
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 5-6-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64RA00/6100.2540/FC000000/821001.09.01.08/000/2540 /64/CECX62010D/573Z Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.08/000/2 540/64/CECX62010D/573Z/1/2 to 64RA00/6100.2540/FC000000/821001.09.01.08/000/2540 /64/CECX62010D/573Z Amount changed from $120,570.00 to $70,570.00 Percent changed from .05114 to .02984 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.04/000/2540 /64/CECX62010D/573Z Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2 540/64/CECX62010D/573Z/14/17 to 64RA00/6100.2540/FC000000/821001.09.01.04/000/2540 /64/CECX62010D/573Z Amount changed from $37,213.00 to $27,213.00 Percent changed from .01578 to .01151 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $60,000.00 Percent: .02537 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 000274

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: 52.243-2 Changes-Cost Reimbursement-Alternative II (Apr 1984)
	D. OTHER *(Specify type of modification and authority)*

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

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

1. The purpose of this modification is to incorporate a revised DD Form 254 (Department of Defense Contract Security Classification Specification). Attachment J-7, page 1250-1251 is hereby modified to reflect the new content of the DD Form 254. Pages 1250 & 1251 is hereby removed and the attached revised pages are substitued in place thereof.

2. Contractor's Statement of Release: In consideration of the modification agreed to herein as complete equitable adjustment of the changes noted in item 1 above, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein.

Continued ...

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)*
LARRY BRAMLITT VP/GM

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
Beth L. Bradley

15B. CONTRACTOR/OFFEROR
Larry Bramlitt
(Signature of person authorized to sign)

15C. DATE SIGNED 5/11/2011

16B. UNITED STATES OF AMERICA
Beth L. Bradley
(Signature of Contracting Officer)

16C. DATE SIGNED 5/11/11

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	NNS07AB21C/000274	2	2

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	3. All other terms and conditions remain the same.				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 7

2. AMENDMENT/MODIFICATION NO.
000275

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 _____ copies to the issuing office.

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

This administrative modification is a zero dollar adjustment (Zero #123, PR #4200389613).
All other terms & conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $342,238,835.00
New Total Amount for this Award: $612,453,012.00
CHANGES FOR LINE ITEM NUMBER: 2

CHANGES FOR ACCOUNTING CODE:
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
5/18/2011

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/FC000000/329527.01.09.8727.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8727.11/ 000/2540/64/CASX12011R/CASP/2/3 to 64BA22/6100.2540/FC000000/329527.01.09.8727.11/000 /2540/64/CASX12011R/CASP Amount changed from $3,000.00 to $986.94 Percent changed from .00127 to .00042 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.01/000/2540 /64/CASX32009D/255X Amount changed from $235,000.00 to $215,000.00 Percent changed from .09938 to .09092 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8446.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8446.09/ 000/2540/64/CASX22009R/CASP/5/6 to 64BA22/6100.2540/FC000000/329527.01.09.8446.09/000 /2540/64/CASX22009R/CASP Amount changed from $10,000.00 to $2,239.49 Percent changed from .00535 to .00095 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $165,000.00 to $24,000.00 Percent changed from .06978 to .01015 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.05.02.09/00 0/2540/64/EXPX02009D/234A/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .06343 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/347605.02.11/000/2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/64/EDUX22011D/833A/2/3 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,062.01 Percent: .0051 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8978.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,347.40 Percent: .01706 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/136905.98.05.02.09/00 0/2540/64/EXPX02009D/234A/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,441.02 Percent: .00061 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8576.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8576.09/ 000/2540/64/CASX22009R/CASP/22/23 to 64BA22/6100.2540/FC000000/329527.01.09.8576.09/000 /2540/64/CASX22009R/CASP Amount changed from $344,648.25 to $343,972.45 Percent changed from .17698 to .14546 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8757.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8757.10/ 000/2540/64/CASX22010R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8757.10/000 /2540/64/CASX22010R/CASP Amount changed from $4,000.00 to $939.62 Percent changed from .00185 to .0004 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/196325.02.01/000/2540/64 -196325/ESAX02006D/389A Amount changed from $124,230.29 to $111,882.26 Percent changed from .05269 to .04731 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/64-6470-00/000/2540/64-6 470/SFCX02004D/UA Account code changed from 64RA10/6100.2540/64/FC000000/64-6470-00/000/2540/6 4-6470/SFCX02004D/UA/16/17 to 64RA10/6100.2540/FC000000/64-6470-00/000/2540/64-6 470/SFCX02004D/UA Amount changed from $183,191.00 to $168,992.27 Percent changed from .0777 to .07147 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/136905.98.05.02.09/000/2 540/64/EXPX02009D/234A Account code changed from 64RA10/6100.2540/64/FC000000/136905.98.05.02.09/00 0/2540/64/EXPX02009D/234A/1/43 to 64RA10/6100.2540/FC000000/136905.98.05.02.09/000/2 540/64/EXPX02009D/234A Amount changed from $502,500.00 to $499,706.08 Percent changed from .25804 to .21132 CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8771.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8771.10/ 000/2540/64/CASX22010R/CASP/8/9 to 64BA22/6100.2540/FC000000/329527.01.09.8771.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,500.00 to $.01 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .00445 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8837.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8837.10/ 000/2540/64/CASX22010R/CASP/9/10 to 64BA22/6100.2540/FC000000/329527.01.09.8837.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,000.00 to $7,788.79 Percent changed from .0178 to .01417 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8766.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8766.10/ 000/2540/64/CASX22010R/CASP/15/16 to 64BA22/6100.2540/FC000000/329527.01.09.8766.10/000 /2540/64/CASX22010R/CASP Amount changed from $7,500.00 to $7,454.35 Percent changed from .01335 to .01357 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8772.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8772.10/ 000/2540/64/CASX22010R/CASP/22/23 to 64BA22/6100.2540/FC000000/329527.01.09.8772.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,120.17 to $2,990.85 Percent changed from .0057 to .00544 CHANGES FOR ACCOUNTING CODE: 64IA00/6100.2540/FC000000/731542.01.03.09/000/2540 /64/EXCX22010D/538A Account code changed from 64IA00/6100.2540/64/FC000000/731542.01.03.09/000/2 540/64/EXCX22010D/538A/6/7 to 64IA00/6100.2540/FC000000/731542.01.03.09/000/2540 /64/EXCX22010D/538A Amount changed from $5,100.00 to $5,037.98 Percent changed from .00932 to .00917 CHANGES FOR ACCOUNTING CODE: 64IA00/6100.2540/FC000000/731542.01.03.09/000/2540 /64/EXCX22010D/538A Account code changed from Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64IA00/6100.2540/64/FC000000/731542.01.03.09/000/2540/64/EXCX22010D/538A/5/6 to 64IA00/6100.2540/FC000000/731542.01.03.09/000/2540/64/EXCX22010D/538A Amount changed from $1,000.00 to $.01 Percent changed from .00182 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.05.02.09/000/2540/64/EXPX02009D/234A/2/44 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,619.66 Percent: .01933 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8768.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8768.10/000/2540/64/CASX22010R/CASP/36/37 to 64BA22/6100.2540/FC000000/329527.01.09.8768.10/000/2540/64/CASX22010R/CASP Amount changed from $25,000.00 to $20,891.80 Percent changed from .04507 to .03802 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8769.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8769.10/000/2540/64/CASX22010R/CASP/37/38 to 64BA22/6100.2540/FC000000/329527.01.09.8769.10/000/2540/64/CASX22010R/CASP Amount changed from $10,000.00 to $9,498.14 Percent changed from .01803 to .01728 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8771.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8771.10/000/2540/64/CASX22010R/CASP/39/40 to 64BA22/6100.2540/FC000000/329527.01.09.8771.10/000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/2540/64/CASX22010R/CASP Amount changed from $6,500.00 to $6,438.58 CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/129985.01.09.01/000/2540 /64/CASX12011R/CMO Account code changed from 64BA22/6100.2540/64/FC000000/129985.01.09.01/000/2 540/64/CASX12011R/CMO/29/30 to 64BA22/6100.2540/FC000000/129985.01.09.01/000/2540 /64/CASX12011R/CMO Amount changed from $154,350.00 to $137,070.00 Percent changed from .30371 to .26971 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.05.02.09/00 0/2540/64/EXPX02009D/234A/2/86 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,280.00 Percent: .034 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES: 1 / 23

2. AMENDMENT/MODIFICATION NO.: 000276

3. EFFECTIVE DATE: See Block 16C

4. REQUISITION/PURCHASE REQ. NO.: See Schedule

5. PROJECT NO. *(If applicable)*:

6. ISSUED BY — CODE: SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* — CODE: SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 — FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.:

9B. DATED *(SEE ITEM 11)*:

x 10A. MODIFICATION OF CONTRACT/ORDER NO.: NNS07AB21C

10B. DATED *(SEE ITEM 13)*: 07/14/2007

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)*: See Schedule — Net Increase: $3,164,909.97

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200390032, 4200389320, 4200389192, 4200389307, 4200389378 & deob #133)

2. See continuation pages 22-23.

3. All other terms and conditions remain the same.

Obligated Amount for this Modification: $3,164,909.97

Continued ...

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)*: ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR — *(Signature of person authorized to sign)*

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA — *(Signature of Contracting Officer)*

16C. DATE SIGNED: 5/19/11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	LIST OF CHANGES: Reason for Modification : Funding Only Action Obligated Amount for this Modification: $3,164,909.97 New Total Obligated Amount for this Award: $332,267,660.98 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: -$275,484.01 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/6/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $611,996.12 to $588,489.00 Percent changed from .25881 to .24887 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/956635.09.06.07.05.1/6/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $283,685.16 to $31,708.27 Percent changed from .13168 to .01341 CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: -$11,844.68 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/9/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 9/000/2540/64-956635/EXCX02006D/538A/3/4 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.0/9/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $200,000.00 to $188,155.32 Percent changed from .36538 to .34241 CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $3,452,238.66 Incremental Funded Amount changed from $34,173,964.42 to $37,626,203.08 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.04/000/2540/64/CASX32009D/255X/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.9016.11/000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,421.18 Percent: .05002 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/000/2540/64/CASX12011R/CASP/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $83,309.10 Percent: .16393 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8803.11/000/2540/64/CASX12011R/CASP/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,996.12 Percent: .0059 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,813.12 Percent: .02718 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/347605.02.11/000/2540 /64/EDUX22011D/833A/6/7 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $87,937.99 Percent: .17303 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2 540/64/CECX62011D/573Z/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $422.00 Percent: .00083 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2 540/64/CECX62011D/573Z/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,203.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .01221 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62011D/573Z/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,333.00 Percent: .02624 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.02/000/2 540/64/CECX62011D/573Z/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,600.00 Percent: .02479 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,300.00 Percent: .03011 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.10.02.09/000/2 540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $20,300.00 Percent: .03994 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $95,920.00 Percent: .18874 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $62,027.00 Percent: .12205 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $42,235.00 Percent: .0831 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $24,300.00 Percent: .04781 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $37,400.00 Percent: .07359 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $42.00 Percent: .00008 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $16,847.00 Percent: .03315 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $115,100.00 Percent: .22648 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $228,401.00 Percent: .44942 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2 540/64/CASX12011D/361N/12/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $80,250.00 Percent: .15791 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $24,005.00 Percent: .04723 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.30/00 0/2540/64/EXCX22011D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .07871 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $108,000.00 Percent: .21251 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,000.00 Percent: .39354 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $400,000.00 Percent: .78707 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $250,000.00 Percent: .49192 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.01.09.01.01/00 0/2540/64/EXCX22011D/734A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $24,000.00 Percent: .04722 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .09838 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.23/000/2540/64/EXPX22011D/234A/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,100.00 Percent: .01397 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.25/000/2540/64/EXPX22011D/234A/9/10 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $170,000.00 Percent: .3345 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.28/000/2540/64/EXPX22011D/234A/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05903 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.53/000/2540/64/EXPX22011D/234A/11/12 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $13,000.00 Percent: .02558 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.55/000/2540/64/EXPX22011D/234A/12/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $67,000.00 Percent: .13183 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.58/000/2540/64/EXPX22011D/234A/13/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $94,065.10 Percent: .18509 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,482.89 Percent: .00489 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.63/000/2540/64/EXPX22011D/234A/15/16 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .07871 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9042.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .09838 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9049.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,000.00 Percent: .01181 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8897.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,600.00 Percent: .00905 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8899.11/ 000/2540/64/CASX12011R/CASP/6/7 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9006.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00984 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8915.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $90,000.00 Percent: .17709 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8818.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.9048.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,900.00 Percent: .00374 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9052.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,500.00 Percent: .00689 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8977.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8978.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,652.60 Percent: .01899 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8979.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8980.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05903 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9053.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,000.00 Percent: .02952 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9054.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,000.00 Percent: .02361 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64BA22/6100.2540/64/FC000000/329527.01.09.9055.11/				
	000/2540/64/CASX12011R/CASP/18/19				
	Cost Center 64BA22				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $30,000.00				
	Percent: .05903				
	Subject To Funding:				
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64BA22/6100.2540/64/FC000000/329527.01.09.9056.11/				
	000/2540/64/CASX12011R/CASP/19/20				
	Cost Center 64BA22				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $7,500.00				
	Percent: .01476				
	Subject To Funding:				
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64BA22/6100.2540/64/FC000000/329527.01.09.9057.11/				
	000/2540/64/CASX12011R/CASP/20/21				
	Cost Center 64BA22				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $75,000.00				
	Percent: .14758				
	Subject To Funding:				
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64BA22/6100.2540/64/FC000000/329527.01.09.9058.11/				
	000/2540/64/CASX12011R/CASP/21/22				
	Cost Center 64BA22				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $16,000.00				
	Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .03148 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8934.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .04919 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8935.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8896.11/ 000/2540/64/CASX12011R/CASP/24/25 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $177,300.00 Percent: .34887 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/25/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $66,737.00 Percent: .13132 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9018.11/ 000/2540/64/CASX12011R/CASP/26/27 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05903 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8926.11/ 000/2540/64/CASX12011R/CASP/27/28 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .09838 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8820.11/ 000/2540/64/CASX12011R/CASP/28/29 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $45,000.00 Percent: .08855 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8860.11/ 000/2540/64/CASX12011R/CASP/29/30 Cost Center 64BA22 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8990.11/ 000/2540/64/CASX12011R/CASP/30/31 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $29,000.00 Percent: .05706 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8989.11/ 000/2540/64/CASX12011R/CASP/31/32 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .03935 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9004.11/ 000/2540/64/CASX12011R/CASP/32/33 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01968 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8665.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/33/34 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,417.81 Percent: .01263 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9000.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,320.75 Percent: .0085 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/9/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 9/000/2540/64-956635/EXCX02006D/538A/2/3 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/9/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $43,272.19 to $41,772.19 Percent changed from .083 to .08219 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through September 1, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

(b)(4)

(b)(4)

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 17,469,896.99	**$3,164,909.97**	**$ 14,304,987.02**

4. Accounting and Appropriation Data:

PR #	Amount
4200221006/4200376479/4200339114/4200350745	($288,828.69)
4200390032	$ 233,477.51
4200389320	$ 32,558.00
4200389192	$ 762,127.00
4200389307	$1,495,647.99
4200389378	$ 929,928.16

See Funding Data, Pages 1-21.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE OF PAGES	1 / 2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000277	See Block 16C		

6. ISSUED BY — CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* — CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 — FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: 52.243-2 Changes-Cost Reimbursement (Aug 1987)
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

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

LIST OF CHANGES:

The purpose of this modification is to increase contract value associated with the area known as Base Side North effective 1 July 2011. See Attachment #2 (Statement of Work) for the specified tasks to be performed, Attachment A (Facilities Listing) and Attachment B (Property Summary, Maintenance Frequencies and Maintenance Levels).

1. Attachment J-10: List 2 and List 5 will change as a result of this modification but the updated lists will not be incorporated into the contract at this time. A modification will be created at a later date to incorporate these changes once the equipment lists are developed.

Continued ...

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)*	
LARRY BRAMLITT VP/GM		Beth L. Bradley	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)* Larry Bramlitt	15C. DATE SIGNED 6/1/2011	16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)* Beth L. Bradley	16C. DATE SIGNED 6/1/11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	2. Section B pages 24-26 (Attachment #1) are also attached to show specific contract values for years 4-5. An increase of value for the additional scope of the Ammunition Plant resulted in a net increase of $3,934,410. Contract Year new value is: $55,792,893 and Contract Year 5 new value is: $54,199,926.				
	3. Contractor's Statement of Release: In consideration of the modification agreed to herein of the changes noted in items 1-2 above, the Contractor hereby releases the government from any further liability under this contract for any equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein.				
	4. All other terms and conditions remain the same.				
	Reason for Modification : Supplemental Agreement for work within scope Total Amount for this Modification: $3,934,410.00 New Total Amount for this Version: $109,706,279.00 New Total Amount for this Award: $616,387,422.00 CHANGES FOR LINE ITEM NUMBER: 3 Total Amount changed from $54,950,497.00 to $55,506,353.00 Incrementally Funded through date changed from 03/14/2010 to 08/01/2011				
	CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $54,950,497.00 to $55,506,353.00				
	CHANGES FOR LINE ITEM NUMBER: 4 Total Amount changed from $50,821,372.00 to $54,199,926.00				
	CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $50,821,372.00 to $54,199,926.00				
	Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA				
	FOB: Destination				

B.2.1 ESTIMATED COST AND INCENTIVE FEE (NFS 1852.216-84) (OCT. 1996)

PLEASE SEE SUMMARY TABLE BELOW FOR CONTRACT VALUE CHANGES

BASIC PERIOD (CLIN 2)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/07 – 08/27/08	(b)(4)						$ 71,799,321
08/28/08 – 08/27/09							$ 84,087,858
08/28/09 – 08/27/10							$ 80,579,787
Total							$ 236,466,966
08/28/09 – 08/27/10		Recovery Act Value (CLIN 10) (b)(4)					$2,394,151
08/28/09 – 08/27/10		Recovery Act Value (CLIN 12)					$1,303,122
08/28/09 – 08/27/10		Basic Period Total					$ 240,164,239

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

TARGET COST AND INCENTIVE FEE APPLICABLE TO EACH AWARD TERM PERIOD:

AWARD TERM PERIOD 1 (CLIN 3)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/10 – 08/27/11	(b)(4)	(b)(4)					$ 55,506,353
08/28/10 – 08/27/11*		Recovery Act Value (CLIN 11*) (b)(4)					$286,540
08/28/10 – 08/27/11		Award Term Period Total (b)(4)					$55,792,893

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee – Reimbursements
*CLIN 11 period of performance ends 01/31/2011

AWARD TERM PERIOD 2

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/11 – 08/27/12	(b)(4)	(b)(4)					$54,199,926

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 3

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/12 – 08/27/13	(b)(4)	(b)(4)					$51,688,592

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 4

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/13 – 08/27/14	(b)(4)	(b)(4)					$ 52,339,527

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 5

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/14 – 08/27/15	(b)(4)	(b)(4)					$ 53,096,382

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 6

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/15 – 08/27/16	(b)(4)	(b)(4)					$ 53,902,840

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 7

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/16 – 08/27/17	(b)(4)	(b)(4)					$ 54,853,023

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee- Reimbursements

B.3 CONTRACT FUNDING (1852.232-81) (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 $ 310,102,929.52. This allotment is for Facility Operating Services at the John C. Stennis Space Center and covers the following estimated period of performance: August 28, 2007 through September 1, 2011.

(b) An additional amount of (b)(4) is obligated under this contract for payment of Performance Incentive Fee and (b)(4) for Cost Incentive Fee.

(c) Recapitulation of funding is as follows:

BASE PERIOD FUNDING + AWARD TERM PERIOD 2 (08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Total Fee			
Total Sum Allotted			

STATEMENT OF WORK FOR SERVICES AT BASE SIDE NORTH

DESCRIPTION: On 1 July 2011, NASA will assume ownership of the property and facilities known as Base Side North. With this ownership, NASA will be responsible for providing services in the same or similar manner as with all other facilities on Stennis Space Center. These services are those currently provided by the Facilities Operations Services contractor (FOSC), Jacobs Technology, Inc under contract NNS07AB21C.
Base Side North area consists of approximately 50 acres of land within the Stennis Space Center Fee Area and includes the 9000 series of buildings and facilities. A complete listing of facilities can be referenced under Attachment A, Base Side North Facilities. With respect to contract NNS07AB21C, the contractor is requested to provide services, either in whole or part, currently detailed under the following contract annexes:

ANNEX 1 PROJECT MANAGEMENT

ANNEX 2 LIFE SUPPORT SERVICES

ANNEX 3 ENGINEERING SERVICES

ANNEX 4 INSTITUTIONAL SERVICES

ANNEX 5 FACILITY AND MAINTENANCE OPERATIONS

ANNEX 6 LOGISTICS & TRANSPORTATION

This document identifies the portions of each annex, either whole or in part, that apply to the service that shall be provided at Base Side North. Areas of Base Side North that require a reduced service level than what is specified in the Annexes of the contract will be identified.

ANNEX 1 PROJECT MANAGEMENT

In reference to contract NNS07AB21C, the contract shall perform the following services specific to Base Side North:

The contractor shall provide all services to NASA detailed under Annex 1 to encompass Base Side North. Specific services are detailed under the following sections under this Annex:

1.1 GENERAL INFORMATION

1.2 WORK CONTROL

1.3 FINANCIAL MANAGEMENT

1.4 DOCUMENTATION AND RECORD MANAGEMENT

1.5 ACQUISITION MANAGEMENT

ANNEX 2 LIFE SUPPORT SERVICES

In reference to contract NNS07AB21C, the contract shall perform the following services specific to Base Side North:

The contractor shall provide services to NASA detailed under Annex 2 to encompass Base Side North. Specific services are detailed under the following sections under this Annex:

2.1 FIRE PROTECTION

2.2.5 BASE SIDE NORTH ENVIRONMENTAL SERVICES

The environmental services requirement specifically for the Base Side North under Annex 2.2 shall be defined under this section (2.2.5.)

2.2.5.1 SCOPE OF WORK

This Annex identifies the Environmental Services required to be provided by the Contractor at the John C. Stennis Space Center (SSC).

2.2.5.2 GENERAL REQUIREMENTS

2.2.5.2.1 Management and General Requirements

The Contractor shall furnish all resources as specified in Annex 1.

2.2.5.2.2 General Limitations and Clarifications

Work shall be in compliance with all applicable Federal, State, and Local laws, permits and permit conditions, Presidential Executive Orders, National Aeronautics and Space Administration (NASA) Policy Directives, and NASA SSC Procedural Requirements. Personnel conducting the work must hold proper training certifications. Maintenance and operations of some environmental systems and equipment are covered in other annexes of the FOSC contract – examples are certified operation of the sanitary sewer and potable water systems, industrial hygiene/Occ Health/health physics, indoor air quality, lead and asbestos surveys, ergonomic assessments of NASA and NASA contractor personnel, food sanitation/food safety checks. ISO 9001 and 14001 – Include any new NASA or NASA contractor audits required for the area (example PWR in building 9001 will now be on SSC property) Energy and Water Management – buildings will all require water and energy audits to develop baseline and start working reduction efforts.

All regulated environmental media originated, generated, or handled by the Contractor through services performed under this contract is subject to the terms and conditions of all SSC permits, NASA Policy Directives, NASA/Stennis Procedural Requirements, and this contract. Except where otherwise specified, all environmental samples collected as a requirement of this contract shall be submitted to the Environmental Laboratory at SSC for analysis. The Contractor shall also ensure that all waste that is handled off site, as well as on site, is properly characterized with an appropriate waste stream number assigned.

The Director, NASA SSC, is the generator of services covered by this contract and, as such, retains the responsibility for the establishment and accomplishment of the SSC Environmental Program. Exceptions to this are individual resident agencies and their contractors who must serve as the generator for agency and program specific activities.
The contractor shall establish and accomplish a program that ensures all necessary environmental regulatory specifications and criteria are met throughout the contract and that waste generated is minimized. Due to the high potential of unforeseen circumstances occurring over the course of this contract, the contractor must have at least one environmental professional on staff and available each work day, unless approved by the Contracting Officer (CO). Examples of programs to be established are recycling and solid waste diversion, hazardous materials inventory using the Hazardous Materials Inventory System (HMIS), affirmative procurement, hazardous waste characterization, hazardous waste disposal, air emissions measurements, calculations and reporting. Contractor will collect and submit reports according to all federal, state and local regulatory requirements. Also, contractor will maintain a natural resource management program to cover the Base Side North, as well as cultural resources.

The Contractor shall comply with the terms and conditions of all environmental permit requirements and other authorizing documents held by the Government, NASA. The Contractor shall immediately address any questions, concerns, or problems, which prevent compliance with the applicable permits or any terms of these requirements to the CO.

2.2.5.2.3 Documentation

All submittals, documents, logs, records, analytical results, Operational & Maintenance (O&M) manuals, and procedures developed in accordance with these requirements or which demonstrate compliance with laws and regulations shall be prepared using the SSC Office Automation computer software suite of programs (i.e., Microsoft Word, Excel, Access, PowerPoint, etc.) and will become the property of the Government. All legal and regulatory documentation are to be maintained in the official NASA files in accordance with the latest version of the NASA SSC Environmental File Plan. Several databases and applications are mentioned and used in the execution of the tasks listed in this requirement document. In other cases, deliverables include the update of databases and the electronic storage of documents. These databases, applications, and documents are to be maintained on the FOS Contractor Shared Drive that is accessible by NASA personnel.

2.2.5.2.4 Facilities and Equipment

The Contractor will be responsible for all facilities and infrastructure in the Base Side North area. Inclusive are establishment and inspection of Satellite Accumulation Areas (SAA), establishment of a 90-day Hazardous Waste Storage Area. Base Side North solid waste is disposed offsite. The contractor shall perform an evaluation for the use of SSC landfill for disposal of Base Side North waste.

2.2.5.3 Definition and Acronyms

Please reference Definitions and Acronyms, Annex 2, Section 2.2.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
2.2.5.4	**Environmental Services**			
2.2.5.4.1	**Air Program**	Provide overall coordination of the SSC air compliance program, which includes staying current with federal and state air regulations and trends, provide overall strategic guidance in the maintenance of current and the acquisition of new air permits with a focus of maximum flexibility for Center operations. The Contractor shall also be expected to provide input to regulatory officials on issues that could potentially affect NASA's ability to test current and future propulsion systems and to perform other required operations at the Center. The Contractor shall evaluate and recommend environmentally compliant facility designs, modifications, operations, activities, systems, and equipment for SSC programs. The Contractor shall also have the capability to conduct modeling for air emission permits if required The data from the modeling shall be utilized to develop a permit application for air emission sources when required.	2,000 hours per contract year. Ensure that environmental personnel are available to run air models per requirements.	Maintain capability to adhere to federal and state requirements to ensure current and future propulsion testing.
2.2.5.4.1	**Continuation Air Program**			
2.2.5.4.2	**Toxics Management Status Report (DR2-GA26)**	Maintain the facility PCB, asbestos and lead inventories and submit an annual report.	Annual Report	Conformance with DR.
2.2.5.4.3	**RCRA 3016 Report (DR2-GA19)**	Prepare the annual RCRA 3016 Report per Base Side North Hazardous Waste ID.	Annual Report	Conformance with DR.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
2.2.5.4.4	**Cultural Resources Activity (DR2-GA30)**	Provide an initial cultural resources survey. Provide to the NASA Historic Preservation Officer pictures of the historical facilities for incorporation into the integrated cultural resources management program	Initial and Annual Requirement if historical facilities identified	Conformance with DR.
2.2.5.4.5	**Annual Hazardous Material Inventory (DR2-GA31)**	Provide an initial and annual hazardous material inventory for NASA and its contractors and compile the annual hazardous material inventories for all companies and agencies at SSC using HMIS.	Initial and Annual Report	Conformance with DR.
2.2.5.4.6	**SARA Report (Tier II) (DR2-GA31)**	Prepare the initial and annual EPCRA Section 312 Tier II Report	Initial and Annual Report	Conformance with DR.
2.2.5.4.7	**Toxic Chemical Release Inventory Report (TRI) (DR2-GA02)**	Prepare the annual EPCRA Section 313 Toxic Chemical Release Inventory Report per DR2-GA02.	Annual Report	Conformance with DR.
2.2.5.4.8	**Spill Incident Report (DR2-GA36)**	Provide copies of completed Spill Incident Reports to the EO, which incorporates information from personnel responsible for the area of the spill within 3 working days following the incident. Annual spill incident input should consist of the information required in NETS	As Needed	Conformance with DR.
2.2.5.4.9	**Environmental Facility Inspection Implementation Report (DR2-GA23)**	Conduct weekly inspections of the Hazardous Waste Handling Facility and SAAs, once established, and other facilities in the Inspection Plan as approved by the NASA Environmental Officer. Immediate	Weekly Inspections Quarterly Report	Conformance with DR.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		notification is required for non-compliant areas. Provide documentation of these inspections on a quarterly basis.		
2.2.5.4.10	**Annual Hazardous Waste Activities Report (DR2-GA32)**	Prepare and submit for approval of NASA Environmental Officer, or designee.	Annual Report	Conformance with DR.
2.2.5.4.11	**Groundwater Usage Report (DR2-GA01)**	Prepare report on how much water is used.	Quarterly Report	Conformance with DR.
2.2.5.4.12	**Public Health Water Supply Report (DR2-GA03)**	Prepare reports in conformance with MS Department of Health requirements	Annual Reports	Conformance with DR.
2.2.5.4.13	**Water System Survey/Industrial and Potable (DR2-GA06)**	Prepare report with MS Department of Environmental Quality requirements	Annual Report	Conformance with DR.
2.2.5.4.14	**Hazardous Waste Collection Shipments and Disposal Activities (DR2-GA24)**	Collect NASA and NASA contractor hazardous waste and petroleum, oil, and lubricant (POL) wastes year round from up to 30 Satellite Accumulation Points and transport to the Hazardous Waste Handling Facility or the drum staging facility, as appropriate. All waste must be properly characterized with an accompanying Waste Stream #. The package should have lab analyses, Material Safety Data Sheets, place of	Need to establish satellite areas	Pick-ups and storage shall be conducted in accordance with applicable federal and state requirements at all times. Actual pick-ups of hazardous waste

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		generation all of which can also be associated with personnel knowledge of a process. Arrange for hazardous waste and non-usable hazardous material disposal at facilities pre-approved by NASA. Submit Hazardous Waste Manifest to the NASA Environmental Officer for signature. Shipments must be coordinated with the Environmental Officer to assure availability for signature. Work requests from resident agencies will be handled under separate work orders. Provide quarterly report		should be within 3 work days after receipt of written notification. No hazardous waste to exceed 90-day accumulation time.
2.2.5.4.15	**TSD Audit Reports (DR2-GA20)**	Perform, attend and/or conduct audits of offsite Treatment, Storage and Disposal (TSD) Facilities and medical waste facility	1 of each requirement per year.	Conformance with DR.
2.2.5.4.16	**Plans, Applications, Procedures, Reports, and Notifications**	a) CFC/Halon Management and Phase Out Plan (DR2-GA11) b) Integrated Contingency Plan (DR2-GA07) c) Environmental Resource Document (DR2-GA05) d) Hazardous Materials, Hazardous Waste, and Solid Waste Management Plan (DR2-GA09) e) Pollution Prevention Plan (DR2-GA22) f) Section 7.0 Consultations (DR2-GA10) g) EPCRA Notifications and Submissions (DR2-GA27) h) Records of Environmental Consideration (DR2-GA15)	At least 1 of each requirement per year or as deemed necessary per project or activity. Conformance with DRs, applicable laws, regulations, or customer specifications	Conformance with DRs, applicable laws, regulations, or customer specifications.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		i) Environmental Operations & Implementation Plan (DR2-GA12)		
2.2.5.4.16	**Continuation Plans, Applications, Procedures, Reports, and Notifications**	Shall maintain NEPA Documentation, design reviews, regulatory inspections, and information gathering and provide regulatory advice and maintain expertise in areas covered in the U.S. Army Construction Engineering Research Laboratory Generic Protocol For Federal Facilities or other documents required to meet regulatory compliance in all environmental media areas.	As needed	
2.2.5.4.17	**Permits and Waivers (DR2-GA33)**	Develop permit applications for environmental media or waivers.	As needed	Conformance with DR.
2.2.5.4.18	**Environmental Management System and NASA Environmental Tracking System (NETS) (DR2-GA36)**	Provide input into NETS for the following: a) Pollution Prevention Activities; b) Spills, Inspection Activities, Non-Compliance; c) Hazardous Waste, Permit Status, Staffing Data; d) Recycling, Affirmative Procurement, CFC/Halon Consumption Report; e) Non-Hazardous Solid Waste, RCRA Reporting, NEPA, etc.	Per NASA HQs Data Call requirements	Conformance with DR.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
2.2.5.4.19	**Environmental Management System Requirements**	Contractor shall comply with all applicable Federal Laws, Executive Orders (EO), and requirements of the Council on Federal Recycling and Procurement Policy. The Contractor shall continue to monitor and implement plans and procedures to assure that the Environmental Management System requirements of EO 13101 are met.	On demand	Continue to integrate environmental accountability into the centers day to day operations and long-term planning processes in accordance with EO 13101.
2.2.5.4.20	**Environmental Management System (EMS) & Compliance Audits (DR2-GA16)**	Plan and participate in EMS audits and assessments internal or external at least twice per year for NASA and its contractors. Perform similar task as noted above for an annual compliance audit of Base Side North facilities	3 annual (2 internal and 1 external) EMS audits and compliance, 6 resident agencies and minimum 15 other NASA/SSC Facilities and Base Side North	Conformance with DR.
2.2.5.4.21	**EMS Corrective Action Report (DR2-GA16)**	Provide Corrective Action Reports (CARs) that are managed in the Base Environmental Management System (BEMS) to the NASA Audit Manager for review at least once a month after each EMS audits. Follow up Status Reports should be provided until all CARs are implemented and closed	At least 2 official reports data will be maintained in BEMS.	Conformance with DR.
2.2.5.4.22	**NASA Environmental Functional Review (EFR) and Corrective Action**	Prepare and participate in the EFR. Input the results of corrective and preventive actions into the BEMS and track progress. Provide data to	At least 2 official reports and data will be maintained	Conformance with DR.

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
	Report (DR2-GA17 and DR2-GA18)	NASA Environmental Officer for transmittal to NASA HQs per HQs timeline. Follow up with a Status Report until all CARs are closed per DR requirements.	in BEMS.	
2.2.5.4.23	**Spill Response**	Respond to Hazardous Material and Hazardous Waste Spills; provide advice on all aspects of clean up in accordance with SSC plans and applicable regulations. Notify the NASA Environmental Officer, or designee. Provide data needed to the NASA Environmental Officer, or designee, for NASA's official notification of EPA's National Response Center (NRC) and Mississippi Emergency Management Agency within 24 hours of an incident. If the NASA Environmental Officer, or designee, is not available, provide notification of both regulatory parties and provide documentation of the notification details and the NRC Call Number that is assigned to the incident. The number of spills will be maintained in NETS per DR2-GA36.		Spill response for POLs and chemicals within 30 minutes of call by the Fire Department or Environmental Officer, or designee. Regulatory notifications within required time frame if Environmental Officer, or designee, is not available for notifications.
2.2.5.4.24	**Construction Stormwater Inspection and Certification (DR2-GA37)**	Prepare construction notice of intent permit applications for NASA and its Contractor's construction efforts, conduct required inspections, and submit reports in accordance with permit		Conformance with DR.
2.2.5.4.25	**Environmental Training**	Contractor will provide training using in-house or outside trainers to fulfill the requirements of these requirements as well as the operations of environmental systems in other portions of this contract (example – operations and maintenance		Certified personnel are available to implement environmental programs or

ITEM	PERFORMANCE REQUIREMENT	RELATED REQUIREMENTS AND INFORMATION	WORKLOAD DATA	MINIMUM STANDARDS
		section).		requirements during normal working hours or as required by specific contract line items.

The contractor shall expand services to NASA detailed under Annex 2.3, OCCUPATIONAL HEALTH SERVICES to encompass the Base Side North.

Specific services required this Annex include:

2.3 OCCUPATIONAL HEALTH SERVICES

2.3.15	**Environmental Health (Industrial Hygiene) - Base Side North**	Provide a comprehensive Industrial Hygiene program that meets the provisions of NPD 1800.1, NASA Environmental Health Program and ensures compliance with applicable Federal, State, and local laws and requirements to provide a healthful work environment.	Varies based upon operational needs, but typically includes an average of 273 Industrial Hygiene assessments per year including: 64 asbestos, 60 ergonomic, 27 Indoor Air Quality (IAQ), 40 lead, 44 microbial, 31 exposure assessments for chemical hazards other than lead and asbestos, 26 noise, 10 illumination, and 15 miscellaneous.	Requirements of 2.3.6

2.3.15.1	**Industrial Hygiene Annual Program Plan (DR 2-GA38) - Base Side North**	Written plan identifying annual program needs, goals and objectives for key industrial hygiene programs including, but not limited to, the Exposure Assessment Program, Hazard Communication, Chemical Hygiene, Ergonomics, Exhaust Ventilation, Indoor Air Quality, Hearing Conservation and Noise, Respiratory Protection, Asbestos, Lead, and Blood Borne Pathogens.	Annual	Meet regulatory requirements. Metrics measure program effectiveness
		A minimum of 2 measures of effective performance (including one quantitative) will be established for each program.		
		The Exposure Assessment Program section of the Program plan will include an inventory of homogeneous exposure groups, exposure assessment needs, and exposure monitoring schedule, and must include annual routine asbestos surveillance air monitoring in buildings.		
2.3.15.2	**Industrial Hygiene Program Report (DR 2-GA40 and DR2-GA41) - Base Side North**	Quarterly written summary of progress towards meeting the goals and objectives of the annual Industrial Hygiene Program Plan, including a comparison of performance against established performance measures.	Quarterly Refer to DR2-GA40.	Complete, timely, and accurate information
		The Exposure Assessment Program section of the Report will include the results and analysis of exposure assessments, an evaluation of the effectiveness of exposure controls, including personal protective equipment, and any recommendations for		Meet program goals and objectives.

		improving worker health and safety.		
		Annual written evaluation of the Center's key Environmental Health programs, Analysis will include completion of the NASA Headquarters Industrial Hygiene Program questionnaire, strengths, weaknesses, assessment of compliance with regulatory requirements and any recommendations for improvement.	Annually. Refer to DR2-GA41.	Performance indicates program meets regulatory requirements.
2.3.15.3	**Environmental Health Activity Report (DR 2-GA39) - Base Side North**	Written summary of tasks completed and tasks in progress, by program area.	Monthly Report	Complete, timely, and accurate.
2.3.15.4	**Food Service Sanitation Inspection Report (DR 2-SA16) - Base Side North**	Perform inspections and provide reports.	Monthly inspections; Quarterly Report	Conformance with DR Timely inspections and corrective action report.
2.3.16	**Environmental Health (Health Physics) - Base Side North**	Provide a comprehensive Health Physics program that meets the provisions of NPD 1800.1, NASA Environmental Health Program and ensures compliance with applicable Federal, State, and local laws and requirements to provide a healthful work environment. limit the exposure of personnel, facilities, and the environment to levels of radiation that are As Low As Reasonably Achievable (ALARA)		Requirements of 2.3.7
2.3.16.1	**Health Physics Annual Program Plan (DR 2-GA42) - Base Side North**	Written plan identifying annual Health Physics program needs, goals and objectives.	Annual	Meet regulatory requirements.

		Establish a minimum of two measures of effective performance (including one quantitative).		Metrics measure program effectiveness
2.3.16.2	**Health Physics Program Report (DR 2-GA43, DR2-GA44, and DR2-GA45) - Base Side North**	Quarterly written summary of progress towards meeting the goals and objectives of the annual Health Physics Program Plan, including a comparison of performance against established performance measures.	Quarterly Refer to DR2-GA44.	Complete, timely, and accurate information. Meet program goals and objectives.
2.3.16.2	**Continuation** **Health Physics Program Report (DR 2-GA43, DR2-GA44, and DR2-GA45) - Base Side North**	Annual written evaluation of the Health Physics program, Analysis will include completion of the NASA Headquarters Health Physics Program questionnaire, audit for compliance with regulatory requirements, strengths, weaknesses, and any recommendations for improvement. Monthly written summary of health physics tasks complete and tasks in progress.	Annually. Refer to DR2-GA45.	Performance indicates program meets regulatory requirements. Complete, timely, and accurate information.

2.4 QUALITY AND RELIABILITY

The Contractor shall extend services to cover Quality and Reliability requirements at the Base Side North. Specific to this Annex portion, the following requirements shall be required:

2.4 QUALITY

2.4.1 SCOPE OF WORK

2.4.2 GENERAL REQUIREMENTS

2.4.3 DEFINITIONS

2.4.4.1 Personnel Certification Plan (DR 2-RA01)

2.4.4.3 Material Review Board Members List (DR 2-RA03)

2.4.4.4 Parts Control Program

2.4.4.5 Control of Non-Conforming Products and/or Services List of Nonconforming Products and/or Services (NPS) (DR 2-RA03)

2.4.4.6 NASA Alerts/Advisory Program Participation

2.5 SAFETY

The Contractor shall extend services to cover Safety requirements at the Base Side North. Specific to this Annex portion, the following requirements shall be required:

2.5 SAFETY

2.5.1 SCOPE OF WORK

2.5.2 GENERAL REQUIREMENTS

2.5.2.1 General Limitations and Clarifications

2.5.2.2 Documentation & Information Management Systems

2.5.3 DEFINITIONS

2.5.4 SAFETY PROGRAM ACTIVITY (DR2-SA09 and DR2-SA11)

2.5.4.1 Safe Atmospheric Verifications

2.5.4.2 Safety & Environmental Health Investigations

2.5.4.4 System Safety Database (DR 2-SA10)

2.5.4.5 Safety and Environmental Health Program Self Assessment and Implementation Report (DR 2-SA12)

2.5.4.6 Confined Space Inventory (DR 2-SA14)

2.5.4.7 Mishap Notification, Investigation, and Corrective Action Report (DR 2-SA13)

2.5.4.9 SSC Safety and Health Awareness Plan (DR 2-SA15)

2.5.4.10 Annual Awareness Briefing

ANNEX 3 ENGINEERING SERVICES

In reference to contract NNS07AB21C, the contract shall perform the following services specific to Base Side North:

The contractor shall provide all services to NASA detailed under Annex 3 to encompass Base Side North. Specific services are detailed under the following sections under this Annex:

3.0 ENGINEERING SERVICES

3.1 ENGINEERING DRAFTING SUPPORT SERVICES & DOCUMENTATION MAINTENANCE

3.2 DESIGN

3.3 CONSTRUCTION SERVICES

ANNEX 4 INSTITUTIONAL SERVICES

In reference to contract NNS07AB21C, the contract shall perform the following services specific to Base Side North:

The contractor shall extend services to NASA detailed under Annex 4 to encompass Base Side North. Specific services are detailed under the following sections under this Annex:

4.3 MAIL SERVICES

The Contractor shall extend mail services to tenants currently residing at the Base Side North Specific to this Annex, the following requirements shall be required:

4.3.1 Scope of Work

4.3.3.4 Dispense Mail to Customers on a "Walk-in" Basis

4.3.3.5 Delivery/Pickup Mail at Scheduled Locations

4.3.3.6 Special Services

4.4 CUSTODIAL SERVICES

Custodial Service shall be offered as a demand only type of service. When requested, the Contractor shall extend custodial services to tenant facilities at the Base Side North.

Specific to this Annex, the following requirements shall be required:

4.4.1 General Requirements

4.4.1.2 Protect Government Property

4.4.1.3 Definitions

4.4.1.4 Facilities

4.4.2 Work Schedule

4.4.2.1 Routine

4.4.2.2 Shift work

4.4.2.3 Effects of Holidays

4.4.3 Work Areas

4.4.3.1 Clean Hard Floors

4.4.3.2 Clean Carpets

4.4.3.3 Trash Receptacles

4.4.3.4 Clean Stairwells

4.4.3.5 Clean Elevators

4.4.3.6 Clean Entrance Ways

4.4.3.7 Perform Dusting, Cleaning, and Furniture Polishing

4.4.3.8 Clean Drinking Fountains

4.4.3.9 Clean Glass

4.4.3.11 Reports and Schedules

ANNEX 5 FACILITY AND MAINTENANCE OPERATIONS

In reference to contract NNS07AB21C, the contract shall perform the following services specific to Base Side North:

The service requirements for the BASE SIDE NORTH under Annex 5 shall be defined under section 5.9.

5.9 SPECIAL REQUIREMENTS: BASE SIDE NORTH

5.9.1 GENERAL INFORMATION

5.9.2 BASE SIDE NORTH PREVENTATIVE MAINTENANCE

5.9.3 BASE SIDE NORTH CORRECTIVE MAINTENANCE

5.9.4 BASE SIDE NORTH GROUND MAINTENANCE

5.9.5 BASE SIDE NORTH REFUSE PICK-UP

5.9.6 BASE SIDE NORTH OPERATIONS AND MAINTENANCE SUPPORT

5.9.1 GENERAL INFORMATION

5.9.1.1 DESCRIPTION AND DEFINITIONS

This Annex portion provides definitions and general information which specifically relate to performance of facility maintenance and operations at Base Side North Area at Stennis Space Center. Base Side North area consists of approximately 50 acres of land within the Stennis Space Center Fee Area and includes the 9000 series of buildings and facilities. Specific buildings covered under this Annex portion can be found on Attachment B, Base Side North Facilities Maintenance.

5.9.1.2 CONTRACTOR RESPONSIBILITY

For Base Side North area, the Contractor shall be responsible for performance of: (1) Preventative Maintenance, (2) Corrective Maintenance, (3) Grounds Maintenance, (4) Refuse Pick-Up, and (5) Operations and Maintenance Support.

5.9.2 BASE SIDE NORTH PREVENTATIVE MAINTENANCE

Preventative maintenance (PM) shall be performed on equipment identified in the NASA Base Side North Complex Maintenance Plan (see attachment B, Base Side North Facilities Maintenance) using existing FOSC maintenance task sheets (MTS). PM plans will be generated from MAXIMO database. Costing for PM work is based on an estimate of quantities and therefore a contingency is added for adjustments based on ongoing asset identification process. Attachment B, Base Side North Facilities Maintenance, has a complete listing of Base Side North facilities and requirement level of maintenance frequencies.

5.9.3 BASE SIDE NORTH CORRECTIVE MAINTENANCE

Corrective maintenance (CM) shall be performed as needed depending on the condition of each asset. CM includes the scheduled or unscheduled work required to repair a piece of equipment, a system, or a real property facility to such a condition that it may be effectively utilized for its intended purpose through life cycle. Repair includes overhaul, reprocessing, or replacement of constituent parts or material that has deteriorated by action of the elements or usage, have been damaged, regardless of the cause, or have not been corrected through the PM program. Costing of CM is based on an estimate of asset condition; therefore, a contingency is added for adjustments based on asset evaluation process. Attachment B, Base Side North Facilities Maintenance, has a complete listing of Base Side North facilities and requirement level of maintenance frequencies.

5.9.4 BASE SIDE NORTH GROUND MAINTENANCE

Ground maintenance (GM) will be performed for approximately fifty acres. Forty acres shall be mowed free of scalping, rutting, bruising, and uneven and rough cutting. Ten acres shall be mowed, edged and weeded. Attachment B, Base Side North Facilities Maintenance, has a complete listing of Base Side North facilities and requirement level of maintenance frequencies.

5.9.5 BASE SIDE NORTH REFUSE PICK-UP

Develop, submit, and maintain monthly schedule updates to verify compliance with Refuse Pickup Schedule. Attachment B, Base Side North Facilities Maintenance, has a complete listing of Base Side North facilities requiring refuse pick-up.

5.9.6 BASE SIDE NORTH OPERATIONS AND MAINTENANCE SUPPORT

In addition to the mechanics providing PM and CM, a NASA Base Side North Complex Support Group should be established. The Group shall provide functional oversight of all operations and maintenance at the Base Side North, system engineering support, customer liaison support, scheduling support, Central Engineering File management of drawing and vendor files, and Coordination of all reporting. The NASA Base Side North Support Group would have reach-back capability to existing FOSC management.

ANNEX 6 LOGISTICS & TRANSPORTATION

In reference to contract NNS07AB21C, the contract shall perform the following services specific to Base Side North:

The contractor shall provide all services to NASA detailed under Annex 6 to encompass Base Side North. Specific services are detailed under the following sections under this Annex:

6.0 LOGISTICS & TRANSPORTATION

6.1 LOGISTICS

6.2 SHIPPING/RECEIVING/WAREHOUSING

6.3 STORAGE AND ISSUE

6.4 TRANSPORTATION

6.5 ACQUISITION

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Line #	Business Entity		Property No.	Property Name	Current Status	Classification Code		NASA Measurement	GSA Measurement	Total Gross (SF)
1	1006	Stennis Space Center (Base Side North)	8302	BOTEL OFFICE BUILDING	ACTIVE	219-10	Public Works or Maintenance Shop	816.00 FT2	816.00 FT2	0
2			9000	Base Side North FENCING	ACTIVE	872-10	Security Fencing and Walls	81,235.00 LF	81,235.00 LF	0
3			9010	Base Side North ELECTRICAL DISTRIBUTION SYSTEM	ACTIVE	812-90	Electricity - Distribution and Transmission Lines (Miscellan	0.00 LF	0.00 LF	0
4			9011	Base Side North NATURAL GAS SYSTEM	ACTIVE	824-10	Gas Pipe Line	2,555.00 LF	2,555.00 LF	0
5			9012	Base Side North EXTERIOR LIGHTING	ACTIVE	812-20	Exterior Lighting	226.00 EA	226.00 EA	0
6			9013	POTABLE WATER SYSTEM	ACTIVE	842-10	Water Distribution Pipeline (Potable)	47,492.00 LF	47,492.00 LF	0
7			9014	Base Side North NON-POTABLE WATER	ACTIVE	842-30	Water Distribution Pipeline (Nonpotable)	3,316.00 LF	3,316.00 LF	0
8			9018	SIDEWALKS	ACTIVE	852-20	Sidewalk (Concrete)	8,460.00 SY	8,460.00 SY	0
9			9022	Base Side North SANITARY SEWER SYSTEM	ACTIVE	832-10	Sewer and/or Industrial Waste Line	62,507.00 LF	62,507.00 LF	0
10			9028	Base Side North SEWAGE DISPOSAL SYSTEM	ACTIVE	831-30	Septic Tank and Drain Field	14.00 KGD	0.00 EA	0
11			9029	ROADS (BITUMINOUS)	ACTIVE	851-11	Roads (Bituminous)	322,533.00 SY	322,533.00 SY	0
12			9030	STORM DRAINAGE	ACTIVE	871-20	Drainage Ditch	52,039.00 LF	52,039.00 LF	0
13			9061	Base Side North STEAM/HEAT LINES	ACTIVE	822-10	Steam and Condensate Lines	15,520.00 LF	15,520.00 LF	0
14			9062	Base Side North INERT GAS LINES	ACTIVE	892-30	Compressed Air Distribution System	7,932.00 LF	0.00 EA	0
15			9100	AGT/MSSAP ADMIN BUILDING/PRODUCTION PLANT	ACTIVE	610-30	Receiving and Shipping Buildings	239,029.00 FT2	239,029.00 FT2	239,029
16			9101	SECURE PRODUCTION/ASSEMBLY FACILITY	ACTIVE	350-20	Test Support Buildings (Vehicle Static Test)	518,524.00 FT2	518,524.00 FT2	0
17			9102	PARKING LOT	ACTIVE	852-11	Parking Area (Bituminous)	16,164.00 SY	16,164.00 SY	0
18			9103	PARKING LOT-9101	ACTIVE	852-11	Parking Area (Bituminous)	19,291.00 SY	19,291.00 SY	0
19			9104	MISC SHED	ACTIVE	442-90	Covered Storage (Miscellaneous)	550.00 FT2	1.00 EA	0
20			9105	COMPRESS AIR BUILDING	ACTIVE	891-10	Utility Building	870.00 FT2	870.00 FT2	0
21			9106	FLAG POLE (BLDG #9100)						
22			9107	FACILITY SIGN						
23			9108	PARKING LOT SOUTH 9110	ACTIVE	852-11	Parking Area (Bituminous)	3,287.00 SY	3,287.00 SY	0
24			9109	PARKING LOT WEST 9110	ACTIVE	852-11	Parking Area (Bituminous)	1,500.00 SY	1,500.00 SY	0
25			9110	NAVY HUMAN RESOURCES SOUTHEAST	ACTIVE	610-90	Administrative Buildings (Miscellaneous)	41,600.00 FT2	41,600.00 FT2	0
26			9111	PARKING LOT BUILDING 9112	ACTIVE	852-12	Parking Area (Other)	2,520.00 SY	2,520.00 SY	0
27			9112	TRAINING FACILITY	ACTIVE	610-90	Administrative Buildings (Miscellaneous)	7,564.00 FT2	7,564.00 FT2	0
28			9114	MAINTENANCE SHOP BUILDING	ACTIVE	219-11	Maintenance Shop (Installation Facilities)	36,120.00 FT2	1.00 EA	0
29			9115	OTI OFFICE BUILDING	ACTIVE	610-90	Administrative Buildings (Miscellaneous)	2,400.00 FT2	2,400.00 FT2	0
30			9116	HELICOPTER PAD	ACTIVE	111-20	Helicopter Landing Pad (Concrete)	178.00 SY	178.00 SY	0
31			9117	LUBRICANT STORAGE	ACTIVE	411-80	Lubricant Storage	3,780.00 GAL	1.00 EA	0
32			9118	DRUM STORAGE PAD (OPEN)	ACTIVE					
33			9119	LAY DOWN YARD	ACTIVE	452-10	Open Storage Area - Ready Issue	23,333.00 SY	0.00 EA	0
34			9120	GUARD HOUSE AT 9110	ACTIVE	730-25	Gatehouse (Buildings)	53.00 FT2	53.00 FT2	0
35			9121	PSI OFFICE BUILDING	ACTIVE	610-90	Administrative Buildings (Miscellaneous)	11,325.00 FT2	11,325.00 FT2	0
36			9122	GUARD HOUSE AT NAVY HUMAN RESOURSES	ACTIVE	730-25	Gatehouse (Buildings)	53.00 FT2	53.00 FT2	0
37			9123	WATER TREATMENT #1 @ TOWER	ACTIVE	181-10	Miscellaneous Operations Support Building	416.00 FT2	416.00 FT2	0
38			9124	WATER TREATMENT #2 @9134	ACTIVE	181-10	Miscellaneous Operations Support Building	416.00 FT2	416.00 FT2	0
39			9125	INDUSTRIAL WASTE TANK FARM	MOTHBALLED	452-10	Open Storage Area - Ready Issue	15.00 SY	1.00 EA	0
40			9128	WATER STORAGE TOWER	ACTIVE	841-30	Storage Tanks - Elevated - Potable	250,000.00 GAL	1.00 EA	0
41			9129	NAVO LAY DOWN YARD	ACTIVE	452-10	Open Storage Area - Ready Issue	5,622.00 SY	1.00 EA	0
42			9134	NAVO WAREHOUSE	ACTIVE	442-10	General Warehouse - Ready Issue	124,806.00 FT2	124,806.00 FT2	124,806
43			9135	INERT GAS FACILITY	STANDBY	823-40	Gas Compressor Facility	5,100.00 FT2	1.00 EA	5,100
44			9137	LOAD/UNLOAD RAMP FACILITY	ABANDONED	442-70	Loading Platform/Ramp	1.00 EA	1.00 EA	0
45			9138	BLOCK/BAND FACILITY	STANDBY	171-00	Training Buildings	6,336.00 FT2	6,336.00 FT2	6,336
46			9139	R/R INTERCHANGE YARD						
47			9140	OPEN STORAGE DEPOT	ACTIVE	452-10	Open Storage Area - Ready Issue	8,168.00 SY	1.00 EA	8,168

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Line #	Business Entity		Property No.	Property Name	Current Status	Classification Code		NASA Measurement	GSA Measurement	Total Gross (SF)
48			9141	OPEN STORAGE DEPOT-2	ACTIVE	452-10	Open Storage Area - Ready Issue	2,352.00 SY	1.00 EA	2,352
49			9142	RAILROAD INSPECTION PIT						
50			9143	HEAT PLANT BUILDING	STANDBY	891-10	Utility Building	36,480.00 FT2	36,480.00 FT2	36,480
51			9144	HEAT PLANT BUILDING 2	MOTHBALLED	891-10	Utility Building	5,682.00 FT2	5,682.00 FT2	5,682
52			9145	FLAMMABLE MATERIAL STORAGE	ACTIVE	442-30	Flammables Storehouse - Ready Issue	19,330.00 FT2	19,330.00 FT2	19,330
53			9146	HEAT PLANT BUILDING 3	STANDBY	891-10	Utility Building	427.00 FT2	427.00 FT2	427
54			9147	MONITORING WELL 1	ACTIVE	841-55	Wells and Associated Facilities - Nonpotable	1.00 EA	1.00 EA	0
55			9150	FLAMMABLE MATERIAL STORAGE 2	ACTIVE	442-30	Flammables Storehouse - Ready Issue	1,200.00 FT2	1,200.00 FT2	1,200
56			9155	PRIMARY TREAT FACILITY	ACTIVE	831-10	Sewage Treatment Plant	150.00 KGD	1.00 EA	0
57			9156	HUMIDITY CONTROLLED WAREHOUSE	ACTIVE	442-20	Dehumidified Warehouse - Ready Issue	1,680.00 FT2	1,680.00 FT2	1,680
58			9157	FLAMMABLE MATERIAL STORAGE 3	ACTIVE	442-30	Flammables Storehouse - Ready Issue	9,400.00 FT2	9,400.00 FT2	9,400
59			9158	STORAGE GP INST	ACTIVE	442-10	General Warehouse - Ready Issue	4,000.00 FT2	4,000.00 FT2	0
60			9159	ENG / HOUSING MNT	ACTIVE	219-10	Public Works or Maintenance Shop	800.00 FT2	800.00 FT2	0
61			9160	PLT / UTIL BLDG	ACTIVE	891-10	Utility Building	861.00 FT2	861.00 FT2	0
62			9162	FUEL / POL BLDG	ACTIVE	411-83	POL Building- Storage of petroleum, oil and lubricant produc	320.00 FT2	320.00 FT2	0
63			9164	LIQ STR NONPROP	ACTIVE	411-90	Liquid Fuel Storage - Bulk (Miscellaneous)	0.00 GAL	0.00 EA	0
64			9165	STORAGE GP INST	ACTIVE	442-10	General Warehouse - Ready Issue	4,000.00 FT2	4,000.00 FT2	0
65			9166	STORAGE GP DEP	ACTIVE	442-10	General Warehouse - Ready Issue	33,504.00 FT2	33,504.00 FT2	0
66			9167	OXY STR INST	ACTIVE	442-90	Covered Storage (Miscellaneous)	7,656.00 FT2	0.00 EA	0
67			9168	OPEN STR INST	ACTIVE	452-10	Open Storage Area - Ready Issue	420.00 SY	0.00 EA	0
68			9169	STORAGE GP INST	ACTIVE	442-10	General Warehouse - Ready Issue	8,640.00 FT2	8,640.00 FT2	0
69			9170	PARKING LOT	ACTIVE	852-11	Parking Area (Bituminous)	1,270.00 SY	1,270.00 SY	0
70			9171	PARKING LOT	ACTIVE	852-11	Parking Area (Bituminous)	2,547.00 SY	2,547.00 SY	0
71			9172	TRAFFIC ARMS (GUARD POST)						
72			9173	TOWER	ACTIVE	141-30	Communications (Structures)	0.00 EA	0.00 EA	0
73			9174	PARKING LOT	ACTIVE	852-11	Parking Area (Bituminous)	1,994.00 SY	1,994.00 SY	0
74			9175	WATER WELL (POTABLE)	ACTIVE	841-30	Storage Tanks - Elevated - Potable	0.00 GAL	0.00 EA	0
75			9176	GUARD GATE	ACTIVE	730-25	Gatehouse (Buildings)	100.00 FT2	100.00 FT2	0
76			9177	VEHICLE FUEL DIESEL	ACTIVE	123-90	Land Vehicle Fuel Dispensing (Miscellaneous)	0.00 GAL	0.00 EA	0
77			9302	LD PT	ACTIVE	181-10	Miscellaneous Operations Support Building	1,843.00 FT2	1,843.00 FT2	0
78			9303	LD PT	ACTIVE	181-10	Miscellaneous Operations Support Building	2,672.00 FT2	2,672.00 FT2	0
79			9304	LD PT	ACTIVE	181-10	Miscellaneous Operations Support Building	1,552.00 FT2	1,552.00 FT2	0
80			9305	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	1,300.00 FT2	0.00 EA	0
81			9306	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	1,300.00 FT2	0.00 EA	0
82			9307	WAREHOUSE (SHIPPING / RECEIVING) FACILITY	ACTIVE	610-30	Receiving and Shipping Buildings	4,784.00 FT2	4,784.00 FT2	0
83			9308	FLAMMABLE MATERIAL STORAGE D	ACTIVE	442-30	Flammables Storehouse - Ready Issue	152.00 FT2	152.00 FT2	0
84			9309	HE MAG INST	ACTIVE	422-20	Inert Storehouse - Ready Issue	410.00 FT2	0.00 EA	0
85			9310	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	1,179.00 FT2	0.00 EA	0
86			9311	FLAMMABLE MATERIAL STORAGE D	ACTIVE	442-30	Flammables Storehouse - Ready Issue	18,492.00 FT2	18,492.00 FT2	0
87			9312	PARKING LOT	ACTIVE	852-11	Parking Area (Bituminous)	18,492.00 SY	18,492.00 SY	0
88			9313	EMP CHG FAC	ACTIVE	610-90	Administrative Buildings (Miscellaneous)	27,516.00 FT2	27,516.00 FT2	0
89			9315	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	230.00 FT2	230.00 EA	0
90			9316	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,240.00 FT2	0.00 EA	0
91			9317	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,240.00 FT2	0.00 EA	0
92			9318	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,520.00 FT2	0.00 EA	0
93			9319	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,240.00 FT2	0.00 EA	0

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Line #	Business Entity		Property No.	Property Name	Current Status	Classification Code		NASA Measurement	GSA Measurement	Total Gross (SF)
94			9320	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,240.00 FT2	0.00 EA	0
95			9321	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,520.00 FT2	0.00 EA	0
96			9322	STORAGE GP DEP	ACTIVE	442-10	General Warehouse - Ready Issue	54,944.00 FT2	54,944.00 FT2	0
97			9323	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	65,570.00 FT2	0.00 EA	0
98			9324	LD PT	ACTIVE	310-15	Data Collection and Reduction Building	65,570.00 FT2	0.00 FT2	0
99			9325	LD PT	ACTIVE	310-15	Data Collection and Reduction Building	16,052.00 FT2	0.00 FT2	0
100			9326	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	14,335.00 FT2	0.00 EA	0
101			9327	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	6,220.00 FT2	0.00 EA	0
102			9328	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	5,280.00 FT2	0.00 EA	0
103			9329	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	5,780.00 FT2	0.00 EA	0
104			9330	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	2,300.00 FT2	0.00 EA	0
105			9331	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	3,202.00 FT2	0.00 EA	0
106			9332	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	5,280.00 FT2	0.00 EA	0
107			9333	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	6,220.00 FT2	0.00 EA	0
108			9334	EXPLOSIVE SUMP # 1 (9323)						
109			9335	EXPLOSIVE SUMP # 2 (9302)						
110			9336	EXPLOSIVE SUMP # 3 (9324)						
111			9337	EXPLOSIVE SUMP # 4 (9325)						
112			9338	EXPLOSIVE SUMP # 5 (9304)						
113			9339	EXPLOSIVE SUMP # 6 (9304)						
114			9340	LAUNDRY SUMP (9313)						
115			9341	ACID SUMP BAT CHG (9325)						
116			9342	EXPLOSIVE SUMP (9324)						
117			9343	EXPLOSIVE SUMP (9323)						
118			9344	EXPLOSIVE SUMP SE (9303)						
119			9345	EXPLOSIVE SUMP NE (9303)						
120			9346	AIR COMP. ROOM SUMP						
121			9348	SEWAGE/WATER TREATMENT	ACTIVE	891-40	Miscellaneous Pump Station	2,048.00 EA	2,048.00 EA	0
122			9349	PROTEC BARRIER	ACTIVE	891-80	Miscellaneous Utility Facility	0.00 EA	0.00 EA	0
123			9352	ACCESS CENTER FACILITY	ACTIVE	730-25	Gatehouse (Buildings)	480.00 FT2	480.00 FT2	0
124			9353	LD PT	ACTIVE	442-90	Covered Storage (Miscellaneous)	12,856.00 FT2	0.00 EA	0
125			9354	COMPRESS AIR PT	ACTIVE	891-10	Utility Building	900.00 FT2	900.00 FT2	0
126			9355	GEN ITM REP DOL	ACTIVE	442-90	Covered Storage (Miscellaneous)	60,834.00 FT2	0.00 EA	0
127			9401	AMMO QA/CAL PRO	ACTIVE	216-10	Installation Support Equipment Maintenance Shop	968.00 FT2	968.00 FT2	968
128			9402	AMMO STRHS INST	ACTIVE	442-90	Covered Storage (Miscellaneous)	227.00 FT2	0.00 EA	227
129			9403	AMMO QA/CAL PRO	ACTIVE	216-10	Installation Support Equipment Maintenance Shop	240.00 FT2	240.00 FT2	240
130			9404	AMMO QA/CAL PRO	ACTIVE	216-10	Installation Support Equipment Maintenance Shop	672.00 FT2	672.00 FT2	672
131			9405	ACCESS CNT FAC	ACTIVE	730-25	Gatehouse (Buildings)	100.00 FT2	100.00 FT2	100
132			9501	ADMIN GEN PURP	ACTIVE	610-90	Administrative Buildings (Miscellaneous)	1,105.00 FT2	1,105.00 FT2	1,105
133			9502	IGLOO STR INST	ACTIVE	442-90	Covered Storage (Miscellaneous)	210.00 FT2	0.00 EA	210
134			9503	IGLOO STR INST	ACTIVE	442-90	Covered Storage (Miscellaneous)	210.00 FT2	0.00 EA	210
135			9504	IGLOO STR INST	ACTIVE	442-90	Covered Storage (Miscellaneous)	210.00 FT2	0.00 EA	210
136			9505	REFUSE/GARB BLD	ACTIVE	833-40	Waste Storage Building	3,546.00 FT2	3,546.00 FT2	3,546
137			9506	REFUSE/GARB BLD	ACTIVE	833-40	Waste Storage Building	2,400.00 FT2	2,400.00 FT2	2,400
138			9511	PLT/UTILITY BLDG	ACTIVE	891-10	Utility Building	445.00 FT2	445.00 FT2	445
139			9512	COMPRESS AIR PT	ACTIVE	891-10	Utility Building	240.00 FT2	240.00 FT2	240
140			9513	COMPRESS AIR PT	ACTIVE	891-10	Utility Building	240.00 FT2	240.00 FT2	240
141			9514	IND WASTE TREAT	ACTIVE	891-10	Utility Building	0.00 FT2	0.00 FT2	0
142			9516	ADMIN GEN PURP	ACTIVE	610-10	Administration Buildings	4,029.00 FT2	4,029.00 FT2	4,029

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Line #	Business Entity		Property No.	Property Name	Current Status	Classification Code		NASA Measurement	GSA Measurement	Total Gross (SF)
143			9517	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	1,000.00 FT2	1,000.00 EA	0
144			9518	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	1,000.00 FT2	0.00 EA	1,000
145			9519	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	418.00 FT2	1.00 EA	418
146			9601	ADMIN GEN PURP	ACTIVE	610-10	Administration Buildings	418.00 FT2	418.00 FT2	418
147			9602	VEH STR SHED IN	ACTIVE	442-90	Covered Storage (Miscellaneous)	1,934.00 FT2	0.00 EA	1,934
148			9603	ACCESS CNT FAC	ACTIVE	730-25	Gatehouse (Buildings)	100.00 FT2	100.00 FT2	100
149			9604	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	0.00 EA	2,785
150			9605	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
151			9606	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	0.00 EA	2,785
152			9607	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
153			9608	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
154			9609	IGLOO ST INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
155			9610	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
156			9611	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
157			9612	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
158			9613	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
159			9614	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
160			9615	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
161			9616	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
162			9617	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
163			9618	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
164			9619	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
165			9620	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
166			9621	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
167			9622	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
168			9623	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
169			9624	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
170			9625	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
171			9626	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
172			9627	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
173			9628	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
174			9629	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
175			9630	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
176			9631	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
177			9632	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
178			9633	IGLOO STR INST	ACTIVE	442-40	Underground Storage - Ready Issue	2,785.00 FT2	2,785.00 EA	2,785
179			9634	BATTERY CHARGE STA. (EWI)						
180			9635	WATER WELL & PUMP HOUSE			Leased by NAVOCEANO			
181			9645	CONTAINERIZATION PAD						
182			9650	SANITARY LANDFILL						
183			9651	WATER WELL & PUMP						
184			9700	ELEC. DIST. SYS. (OVERHEAD)						
185			9701	EXTERIOR LIGHTING (STREET/PLANT WIDE)			Partial Energy Conservation			
186			9702	ELEC. DIST SYS (UNDERGRND)			CM only			
187			9703	SECURITY LIGHTING LAP 300, 400, 500, 600 ARMS & AMMO						
188			9704	LIGHTNING PROTECTION SYSTEM	ACTIVE	132-80	Weather Towers	1.00 EA	1.00 EA	0
189			9710	SUBSTATION	ACTIVE	812-10	Substation	14.00 KVA	1.00 EA	0
190			9711	SUBSTATION	ACTIVE	812-10	Substation	14.00 KVA	1.00 EA	0
191			9712	SUBSTATION	ACTIVE	812-10	Substation	14.00 KVA	1.00 EA	0
192			9713	SUBSTATION	ACTIVE	812-10	Substation	14.00 KVA	1.00 EA	0

Contract NNS07AB21C Modification #277
Attachment A-Base Side North Facilities Listing

Line #	Business Entity		Property No.	Property Name	Current Status	Classification Code		NASA Measurement	GSA Measurement	Total Gross (SF)
193			9714	SUBSTATION	ACTIVE	812-10	Substation	14.00 KVA	1.00 EA	0
194			9715	SUBSTATION	ACTIVE	812-10	Substation	14.00 KVA	1.00 EA	0
195			9716	SUBSTATION	ACTIVE	812-10	Substation	15.00 KVA	1.00 EA	0
196			9729	Base Side North VEHICLE BRIDGE	ACTIVE	851-20	Vehicular Bridges (Concrete)	21.00 SY	21.00 SY	0
197			9730	PAVED ROADS			See map for active roads			
198			9731	RD OTHER THAN CONCR/BIUTM			See map for active roads			
199			9732	WALKS			Partial @ Entrance Active Facilities			
200			9734	FLAGPOLE @ 9112			Leased by OTI and Rede			
201			9735	COVERED W/WAY 600 AREA						
202			9741	Base Side North RAILROAD BRIDGE	ACTIVE	860-30	Railroad Bridge and Trestle	0.00 MI	0.00 MI	0
203			9743	SEPTIC TANK & FIELD DRAIN (BLK & BRACE)						
204			9744	SEPTIC & FIELD DRAIN - 9401						
205			9745	SEPTIC & FIELD DRAIN - 9112						
206			9746	SEPTIC & FIELD DRAIN - 9115						
207			9747	SEPTIC & FIELD DRAIN - 8301						
208			9749	FRENCH DRAIN & CONCR PAD						
209			9750	DRAINAGE DITCHES						
210			9751	FRENCH DRAIN (IGLOO SITE)						
211			9752	SANITARY SEWER						
212			9753	STORM SEWER (DRAIN)						
213			9757	SEPTIC TANK & FIELD DRAIN (INCINERATOR OFFICE BLDG)						
214			9758	SEPTIC & FIELD DRAIN CWP						
215			9759	WATER PIPLINE (INDUSTRIAL)						
216			9760	WATER PIPLINE (POTABLE)						
217			9761	Base Side North UTILITY TUNNEL	ACTIVE	891-80	Miscellaneous Utility Facility	1.00 EA	1.00 EA	0
218			9762	FENCE OTHER THAN SECURITY						
219			9763	FENCE SEC. (ARMS & AMMO) (LAP 300, 400, 500, 600)						
220			9764	PROPANE LINES (EXTERIOR)						
221			9765	GAS VALVE; NAT'L GAS						
222			9766	WATER WELL-BLOUNT BLDG						
223			9768	Base Side North FIRE PROTECTION SYSTEM	ACTIVE	880-10	Fire Alarm System	13.00 BX	13.00 EA	0
224			9770	LAND						
225			9772	NITROGEN GAS LINE						
226			9773	NATURAL GAS LINE			External gas lines to L/W Bldgs are L/W			
Overall Result								*		562,252

Contract NNS07AB21C Modification #277

Attachment B-Base Side North Property Summary

Summary of Property	
1. Total Number of Building/Structures	**203**
a. Number of Building/Structure – Active (All)	28
b. Number of Building/Structure – Leased (All)	78
c. Number of Building/Structure – Caretaker (All)	81
d. Number of Building/Structure – Partially Active, Caretaker or Leased	16
2. Number of Pieces of Other Plant Equipment (Above $5000)	**4**
3. Total Land/Ground	**4214**
a. Acres of Ground (Mowed)	47.2
b. Acres of Ground (Other)	4166.8
4. Miles of Fence (Major Types)	**20.25**
5. Total Miles of Road (Maintained)	**15.5**
a. Paved	12.03
b. Other than paved	3.2
6. Total Miles of Road (Caretaker)	**10.13**
a. Paved	3.76
b. Other than paved	6.37
7. Army-owned NTV Equipment	**15**
8. GSA NTV Equipment	**15**
9. Material Handling Equipment (AGT)	**16**
10. Roads and Grounds ECE/SPE	**8**
11. Other Mobile Equipment (ECE/SPE)	**16**

Contract NNS07AB21C Modification #277
Attachment B-Base Side North Facilities Maintenance Frequencies

Description	BLDG/System Status	Daily	Weekly	Monthly	Quarterly	Semi Annual	Annual	2 YRS	3 YRS	5 YRS
Buildings & Structures	1, 2, 3					X	X			
Restroom	1, 3 - CM Only									
Roll-up Doors	1, 3						X			
	2 - No Maint.									
Dock Levelers	1, 3						X			
	2 - No Maint.									
Roof Drains (9100, 9110)	1, 3						X			
	2 - No Maint.									
Lightning Protection	1, 3							X		
Potable Water	1, 3		X	X (Eye Wash Utility Operator)			X		X (Water Tanks)	
	2 - Interior No Maint.									
	2 - Exterior						X			
Sewage	1, 3	X		X			X		X (Manholes)	
	2						X			
Emergency Generators	1, 3			X (Battery check only)	X		X			
Secondary Electrical Distribution	1, 3 - CM Only									
Emergency Exit Lights	1, 3						X			
High Voltage Electrical Dist. System										
OH Electrical Distribution	1, 3						X			
Pad Mounted Transformers	1, 3							X		
Switching Station	1, 3				X			X		
Relay Testing	1, 3				X			X		
Bus Work	1, 3				X			X		
Breaker Maintenance	1, 3				X			X		
Substations	1, 3							X		
Underground	1, 3 - CM Only									
Exterior Lighting (Street/Bldgs)	1, 2, 3							X		
Air	1, 3	X		X			X			
	2 - Exterior						X			
	2 - Interior No Maint.									
Nitrogen, Natural Gas and Fuel Dist. System	1, 3		X		X		X			
	2 - Exterior						X			
	2 - Interior No Maint.									
Industrial Water (Non-potable)	1, 3		X	X			X			
	2 - Exterior						X			

Contract NNS07AB21C Modification #277
Attachment B-Base Side North Facilities Maintenance Frequencies

	2 - No Maint.									
Roads, Walks & Parking Areas	1, 2, 3							X (Parking lots)	X (Paved roads)	
Signs	1, 3								X	
Drainage	1, 2, 3							X		
Fire Water and Sprinkler System	1, 3						X			
	2 - No Maint.									
Alarms (Electrical)	1, 3				X					
	2 - No Maint.									
Fire Hydrants	1, 3					X				
Air Conditioning, Refrigeration, Air Handling, Supply and Retirn Heating Units	1, 3				X		X			
	2 - No Maint.									
Exhaust Fans	1, 3				X					
Automotive (Nontactical Vehicle)	1, 3	X	Per Contract NNS07AB21C, Annex 5							
Engineering Equipment	1, 3	X	Per Contract NNS07AB21C, Annex 5							
Material Handling Equipment	1, 3	X			X (Electric Only)	X (Diesel/Gas)				
	2 - No Maint.									
Cranes (Mobile and Stationary)	1, 3	X		X (Per OSHA 1910)			X (Per OSHA 1910)			
	2 - No Maint.									
Pest Control Services	1, 2, 3	Per Contract NNS07AB21C, Annex 5								
Telephone	1, 3	Per Contract NNS07AB21C, Annex 5								
Fences	1, 2									
	3 - CM Only (SBT)									
Unfired Presure Vessls	1, 3						X			
Grounds Maintenance	1, 3	Per Contract NNS07AB21C, Annex 5								
Refuse Collection and Disposal	1, 3	Per Contract NNS07AB21C, Annex 5								

Contract NNS07AB21C Modification #277
Attachment B-Facility Maintenance Levels

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
1	8302	BOTEL OFFICE BUILDING	ACTIVE			X	Leased by Botel
2	9100	AGT/Base Side North ADMIN BUILDING/PRODUCTION PLANT	ACTIVE	X	X	X	Leased by AGT Corporate; Area active for AGT/COR
3	9101	SECURE PRODUCTION/ASSEMBLY FACILITY	ACTIVE		X	X	Leased by EnTech, P&W and GPO; Leased by EnTech, P&W and GPO
4	9102	PARKING LOT	ACTIVE	X		X	Parking Area (Bituminous); Area used by AGT Corp
5	9103	PARKING LOT-9101	ACTIVE			X	Parking Area (Bituminous); Area used by tenants
6	9105	COMPRESS AIR BUILDING	ACTIVE		X		Utility Building
7	9106	FLAG POLE (BLDG #9100)		X			No maintenance
8	9107	FACILITY SIGN		X			No maintenance
9	9108	PARKING LOT SOUTH 9110	ACTIVE			X	Parking Area (Bituminous); Leased by Navy (HRSC)
10	9109	PARKING LOT WEST 9110	ACTIVE	X		X	Parking Area (Bituminous); Leased by Navy (HRSC), DA Kitchen & AGT
11	9110	NAVY HUMAN RESOURCES SOUTHEAST	ACTIVE	X		X	Administrative Buildings (Miscellaneous); Leased by Navy (HRSC), DA Kitchen & AGT
12	9111	PARKING LOT BUILDING 9112	ACTIVE			X	Parking Area (Other); Leased by OTI and Rede
13	9112	TRAINING FACILITY	ACTIVE			X	Administrative Buildings (Miscellaneous); Leased by OTI and Rede
14	9114	MAINTENANCE SHOP BUILDING	ACTIVE	X	X		Maintenance Shop (Installation Facilities); Area used by AGT Corp
15	9115	OTI OFFICE BUILDING	ACTIVE			X	Administrative Buildings (Miscellaneous); Leased by OmniTech
16	9116	HELICOPTER PAD	ACTIVE		X		Helicopter Landing Pad (Concrete); Leased by NAVO
17	9117	LUBRICANT STORAGE	ACTIVE			X	Lubricant Storage
18	9118	DRUM STORAGE PAD (OPEN)	ACTIVE	X			No maintenance
19	9119	LAY DOWN YARD	ACTIVE			X	Open Storage Area - Ready Issue; Leased by COE F/Tanks (Demand only)
20	9120	GUARD HOUSE AT 9110	ACTIVE		X		Gatehouse (Buildings); North main gate
21	9121	PSI OFFICE BUILDING	ACTIVE			X	Administrative Buildings (Miscellaneous); Leased by Planning System, Inc

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
22	9122	GUARD HOUSE AT NAVY HUMAN RESOURSES	ACTIVE		X		Gatehouse (Buildings); South main gate
23	9123	WATER TREATMENT #1 @ TOWER	ACTIVE	X			Miscellaneous Operations Support Building
24	9124	WATER TREATMENT #2 @9134	ACTIVE	X			Miscellaneous Operations Support Building
25	9128	WATER STORAGE TOWER	ACTIVE		X		Storage Tanks - Elevated - Potable
26	9129	NAVO LAY DOWN YARD	ACTIVE			X	Open Storage Area - Ready Issue; Leased by Navy, PM/CM Demand Only
27	9134	NAVO WAREHOUSE	ACTIVE			X	General Warehouse - Ready Issue; Leased by NAVOCEANO
28	9135	INERT GAS FACILITY	STANDBY		X		Gas Compressor Facility; Placed in Caretaker status
29	9137	LOAD/UNLOAD RAMP FACILITY	ABANDONED		X		Loading Platform/Ramp
30	9138	BLOCK/BAND FACILITY	STANDBY			X	Training Buildings
31	9139	R/R INTERCHANGE YARD			X		
32	9140	OPEN STORAGE DEPOT	ACTIVE		X		Open Storage Area - Ready Issue
33	9141	OPEN STORAGE DEPOT-2	ACTIVE		X		Open Storage Area - Ready Issue
34	9142	RAILROAD INSPECTION PIT			X		
35	9143	HEAT PLANT BUILDING	STANDBY		X		Utility Building; Placed in Caretaker status
36	9144	HEAT PLANT BUILDING 2	MOTHBALLED		X		Utility Building
37	9145	FLAMMABLE MATERIAL STORAGE	ACTIVE	X			Flammables Storehouse - Ready Issue
38	9146	HEAT PLANT BUILDING 3	STANDBY		X		Utility Building
39	9150	FLAMMABLE MATERIAL STORAGE 2	ACTIVE	X			Flammables Storehouse - Ready Issue
40	9155	PRIMARY TREAT FACILITY	ACTIVE	X	X		Sewage Treatment Plant; 80K & 20K Laidaway) (50K system active)
41	9156	HUMIDITY CONTROLLED WAREHOUSE	ACTIVE	X			Dehumidified Warehouse - Ready Issue
42	9157	FLAMMABLE MATERIAL STORAGE 3	ACTIVE	X			Flammables Storehouse - Ready Issue
43	9158	STORAGE GP INST	ACTIVE			X	General Warehouse - Ready Issue
44	9159	ENG / HOUSING MNT	ACTIVE		X		Public Works or Maintenance Shop
45	9160	PLT / UTIL BLDG	ACTIVE		X		Utility Building
46	9162	CONTROL HOUSE (INK FARM)			X		

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
47	9165	STORAGE GP INST	ACTIVE			X	General Warehouse - Ready Issue
48	9166	STORAGE GP DEP	ACTIVE			X	General Warehouse - Ready Issue; Leased to Power Dynamics
49	9167	OXY STR INST	ACTIVE	X			Covered Storage (Miscellaneous)
50	9168	OPEN STR INST	ACTIVE		X		Open Storage Area - Ready Issue
51	9169	STORAGE GP INST	ACTIVE		X		General Warehouse - Ready Issue
52	9170	PARKING LOT	ACTIVE			X	Parking Area (Bituminous); Leased by PSI (9121 West side)
53	9171	PARKING LOT	ACTIVE			X	Parking Area (Bituminous); Leased by Navy (9134)
54	9172	TRAFFIC ARMS (GUARD POST)			X		North Main Gate
55	9173	TOWER	ACTIVE		X		Communications (Structures)
56	9174	PARKING LOT	ACTIVE			X	Parking Area (Bituminous); Leased by PSI (9121 West Side)
57	9175	WATER WELL (POTABLE)	ACTIVE			X	Storage Tanks - Elevated - Potable; cycling pump leased by Cusey
58	9177	VEHICLE FUEL DIESEL	ACTIVE	X			Land Vehicle Fuel Dispensing (Miscellaneous); Diesel pump station
59	9302	LD PT	ACTIVE			X	Miscellaneous Operations Support Building; Leased by NAVOCEANO
60	9303	LD PT	ACTIVE			X	Miscellaneous Operations Support Building; Leased by NAVOCEANO
61	9304	LD PT	ACTIVE			X	Miscellaneous Operations Support Building; Leased by NAVOCEANO
62	9305	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
63	9306	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
64	9307	WAREHOUSE (SHIPPING / RECEIVING) FACILITY	ACTIVE			X	Receiving and Shipping Buildings; Leased by NAVOCEANO
65	9308	FLAMMABLE MATERIAL STORAGE D	ACTIVE			X	Flammables Storehouse - Ready Issue; Leased by NAVOCEANO
66	9309	HE MAG INST	ACTIVE			X	Inert Storehouse - Ready Issue; Leased by NAVOCEANO

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
67	9310	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
68	9311	FLAMMABLE MATERIAL STORAGE D	ACTIVE			X	Flammables Storehouse - Ready Issue; Leased by NAVOCEANO
69	9312	PARKING LOT	ACTIVE			X	Parking Area (Bituminous); Leased by NAVSCIATTS
70	9313	EMP CHG FAC	ACTIVE	X		X	Administrative Buildings (Miscellaneous); Leased by NAVOCEANO & Partial Active for IM room
71	9315	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
72	9316	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
73	9317	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
74	9318	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
75	9319	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
76	9320	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
77	9321	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
78	9322	STORAGE GP DEP	ACTIVE			X	General Warehouse - Ready Issue; Leased by NAVOCEANO
79	9323	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
80	9324	LD PT	ACTIVE			X	Data Collection and Reduction Building; Leased by NAVOCEANO
81	9325	LD PT	ACTIVE			X	Data Collection and Reduction Building; Leased by NAVOCEANO
82	9326	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
83	9327	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
84	9328	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
85	9329	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
86	9330	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
87	9331	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
88	9332	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
89	9333	LD PT	ACTIVE			X	Covered Storage (Miscellaneous); Leased by NAVOCEANO
90	9334	EXPLOSIVE SUMP # 1 (9323)			X		
91	9335	EXPLOSIVE SUMP # 2 (9302)			X		
92	9336	EXPLOSIVE SUMP # 3 (9324)			X		In Navy area
93	9337	EXPLOSIVE SUMP # 4 (9325)			X		
94	9338	EXPLOSIVE SUMP # 5 (9304)			X		
95	9339	EXPLOSIVE SUMP # 6 (9304)			X		
96	9340	LAUNDRY SUMP (9313)			X		
97	9341	ACID SUMP BAT CHG (9325)			X		
98	9342	EXPLOSIVE SUMP (9324)			X		
99	9343	EXPLOSIVE SUMP (9323)			X		
100	9344	EXPLOSIVE SUMP SE (9303)			X		
101	9345	EXPLOSIVE SUMP NE (9303)			X		
102	9346	AIR COMP. ROOM SUMP			X		
103	9348	SEWAGE/WATER TREATMENT	ACTIVE			X	Miscellaneous Pump Station; Leased by NAVOCEANO
104	9349	PROTEC BARRIER	ACTIVE		X		No maintenance
105	9352	ACCESS CENTER FACILITY	ACTIVE			X	Gatehouse (Buildings); Leased by NAVOCEANO
106	9353	LD PT	ACTIVE		X		Covered Storage (Miscellaneous)
107	9354	COMPRESS AIR PT	ACTIVE			X	Utility Building; Leased by NAVOCEANO

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
108	9355	GEN ITM REP DOL	ACTIVE			X	Covered Storage (Miscellaneous); Leased by Dept. of Energy
109	9401	AMMO QA/CAL PRO	ACTIVE		X		Installation Support Equipment Maintenance Shop
110	9402	AMMO STRHS INST	ACTIVE		X		Covered Storage (Miscellaneous)
111	9403	AMMO QA/CAL PRO	ACTIVE		X		Installation Support Equipment Maintenance Shop
112	9404	AMMO QA/CAL PRO	ACTIVE		X		Installation Support Equipment Maintenance Shop
113	9501	ADMIN GEN PURP	ACTIVE			X	Administrative Buildings (Miscellaneous); Leased by SBT-22
114	9502	IGLOO STR INST	ACTIVE			X	Covered Storage (Miscellaneous); Leased by SBT-22
115	9503	IGLOO STR INST	ACTIVE			X	Covered Storage (Miscellaneous); Leased by SBT-22
116	9504	IGLOO STR INST	ACTIVE			X	Covered Storage (Miscellaneous); Leased by SBT-22
117	9505	REFUSE/GARB BLD	ACTIVE		X		Waste Storage Building
118	9506	REFUSE/GARB BLD	ACTIVE			X	Waste Storage Building
119	9511	PLT/UTILITY BLDG	ACTIVE		X		Utility Building
120	9512	COMPRESS AIR PT	ACTIVE		X		Utility Building
121	9513	COMPRESS AIR PT	ACTIVE		X		Utility Building
122	9514	IND WASTE TREAT	ACTIVE		X		Sumps
123	9516	ADMIN GEN PURP	ACTIVE			X	Administration Buildings; Leased by SBT-22
124	9517	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by SBT-22
125	9518	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by SBT-22
126	9519	IGLOO STR INST	ACTIVE			X	Leased by SBT-22
127	9601	ADMIN GEN PURP	ACTIVE			X	Leased by NAVOCEANO
128	9602	VEH STR SHED IN	ACTIVE		X		Covered Storage (Miscellaneous)
129	9604	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
130	9605	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
131	9606	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
132	9607	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
133	9608	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
134	9609	IGLOO ST INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
135	9610	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
136	9611	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
137	9612	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
138	9613	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
139	9614	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by SBT-22
140	9615	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
141	9616	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by SBT-22
142	9617	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
143	9618	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by SBT-22
144	9619	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by NAVOCEANO
145	9620	IGLOO STR INST	ACTIVE			X	Underground Storage - Ready Issue; Leased by SBT-22
146	9621	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
147	9622	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
148	9623	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
149	9624	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
150	9625	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
151	9626	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
152	9627	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
153	9628	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
154	9629	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
155	9630	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
156	9631	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
157	9632	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
158	9633	IGLOO STR INST	ACTIVE		X		Underground Storage - Ready Issue
159	9634	BATTERY CHARGE STA. (EWI)			X		
160	9635	WATER WELL & PUMP HOUSE				X	Leased by NAVOCEANO
161	9645	CONTAINERIZATION PAD			X		
162	9650	SANITARY LANDFILL			X		
163	9651	WATER WELL & PUMP			X		
164	9700	ELEC. DIST. SYS. (OVERHEAD)			X		
165	9701	EXTERIOR LIGHTING (STREET/PLANT WIDE)		X			Partial Energy Conservation
166	9702	ELEC. DIST SYS (UNDERGRND)		X			CM only
167	9703	SECURITY LIGHTING LAP 300, 400, 500, 600 ARMS & AMMO			X		
168	9704	LIGHTNING PROTECTION SYSTEM	ACTIVE	X		X	Caretaker cataegory - CM on demand by tenants
169	9713	SUBSTATION	ACTIVE	X			Cooling tower
170	9714	SUBSTATION	ACTIVE	X			SE 9101 - Switchgear 1
171	9715	SUBSTATION	ACTIVE	X			Substation
172	9716	SUBSTATION	ACTIVE	X			Switchgear 2
173	9729	Base Side North VEHICLE BRIDGE	ACTIVE		X		Vehicular Bridges (Concrete)
174	9730	PAVED ROADS		X	X		See map for active roads
175	9731	RD OTHER THAN CONCR/BIUTM			X	X	See map for active roads
176	9732	WALKS		X			Partial @ Entrance Active Facilities
177	9734	FLAGPOLE @ 9112			X		Leased by OTI and Rede
178	9735	COVERED W/WAY 600 AREA			X		
179	9741	Base Side North RAILROAD BRIDGE	ACTIVE		X		Railroad Bridge and Trestle
180	9743	SEPTIC TANK & FIELD DRAIN (BLK & BRACE)				X	Leased by Cusey
181	9744	SEPTIC & FIELD DRAIN - 9401			X		
182	9745	SEPTIC & FIELD DRAIN - 9112			X		

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels							
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks
183	9746	SEPTIC & FIELD DRAIN - 9115				X	Leased by Omni Tech (CM only)
184	9747	SEPTIC & FIELD DRAIN - 8301			X		
185	9749	FRENCH DRAIN & CONCR PAD			X		
186	9750	DRAINAGE DITCHES		X			
187	9751	FRENCH DRAIN (IGLOO SITE)		X			
188	9752	SANITARY SEWER		X			
189	9753	STORM SEWER (DRAIN)		X			
190	9757	SEPTIC TANK & FIELD DRAIN (INCINERATOR OFFICE BLDG)				X	Leased by SBT
191	9758	SEPTIC & FIELD DRAIN CWP			X		
192	9759	WATER PIPLINE (INDUSTRIAL)		X	X		Portions L/W
193	9760	WATER PIPLINE (POTABLE)		X	X		Portions L/W
194	9761	PIPE BRIDGE		X			
195	9762	FENCE OTHER THAN SECURITY			X		No maintenance
196	9763	FENCE SEC. (ARMS & AMMO) (LAP 300, 400, 500, 600)	ACTIVE		X	X	No maintenance
197	9764	PROPANE LINES (EXTERIOR)			X		
198	9765	GAS VALVE; NAT'L GAS		X			
199	9766	WATER WELL-BLOUNT BLDG				X	
200	9768	Base Side North FIRE PROTECTION SYSTEM	ACTIVE	X	X		System active for buildings occupied or in Laidaway status, otherwise caretaker
201	9770	LAND		X			See map for active areas
202	9772	NITROGEN GAS LINE			X		
203	9773	NATURAL GAS LINE		X	X		External gas lines to L/W Bldgs are L/W

CATEGORY LEGEND:

1 = Active

2 = Caretaker/Excess

3 = Leased

DEFINITIONS:

Stennis Space Center (SSC) Base Side North Facilities Maintenance Levels						
Line #	Property Number	Property Name	Current Status	Category 1	2	3	Remarks

1. **Active** - Facilities that are inhabited and/or in use.

2. **Caretaker Status** - Retention efforts include maintaining the property only to the extent necessary to offset serious deterioration, operation of utilities as may be necessary for fire protection, repairs necessary to maintain property, environment and land management.

3. **Leased** - Facilities that are currently leased.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 1

2. AMENDMENT/MODIFICATION NO.: 000278

3. EFFECTIVE DATE: See Block 16C

4. REQUISITION/PURCHASE REQ. NO.:

5. PROJECT NO. *(If applicable)*:

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.:

9B. DATED *(SEE ITEM 11)*:

X 10A. MODIFICATION OF CONTRACT/ORDER NO.: NNS07AB21C

10B. DATED *(SEE ITEM 13)*: 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

The purpose of this modification is to update:

1. Section G, page 50, paragraph (c)(1); this page is hereby modified to reflect the change of the DCAA mailing office address for cost vouchers. Page 50 of 1478 is hereby removed and the attached revised page 50 is substituted in place thereof.

2. Section I.6 paragraph (b); this page is hereby modified to change the Installation Ombudsman from Patrick E. Scheuermann to Ken R. Human. Page 88 of 1478 is hereby removed and the attached revised page 88 is substituted in place thereof.

3. All other terms and conditions remain unchanged.

15A. NAME AND TITLE OF SIGNER *(Type or print)*

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 6-7-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

(3) Copies of vouchers should be submitted as directed by the Contracting Officer.

(c) The contractor is not authorized to submit interim cost vouchers directly to the paying office as described in paragraph (b), the contractor shall prepare and submit vouchers as follows:

(1) One original Standard Form (SF) 1034, SF 1035, or equivalent Contractor's attachment.

DCAA mailing office (for submission of cost vouchers) address:

DCAA Gulf Coast Branch Office
1126 Jackson Avenue, Suite 310
Pascagoula, MS 39567

(2) Five copies of SF 1034, SF 1035A, or equivalent Contractor's attachment to the following offices by insertion in the memorandum block of their names and addresses:

(i) Copy 1 NASA Contracting Officer;
(ii) Copy 2 Auditor;
(iii) Copy 3 Contractor;
(iv) Copy 4 Contract Administration Office;
(v) Copy 5 Project Management Office

(3) Contracting Officer may designate other recipients are required.

(d) Public vouchers for payment of fee shall be prepared similarly and be forwarded to:

NASA John C. Stennis Space Center
Attn: Contracting Officer
Stennis Space Center, MS 39529-6000

This is the designated billing office for fee vouchers for purposes of the Prompt Payment clause of this contract.

(e) In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate voucher for the amount withheld will be required before payment for that amount may be made.

(End of Clause)

I.4 SECURITY CLASSIFICATION REQUIREMENTS (NFS 1852.204-75) (SEP. 1989)

Performance under this contract will involve access to and/or generation of classified information, work in a security area, or both, up to the level of secret. See Federal Acquisition Regulation clause 52.204-2 in this contract and DD Form 254, Contract Security Classification Specification, Attachment J-7.

(End of Clause)

I.5 PRECONTRACT COSTS (NFS 1852.231-70) (JUNE 1995)

The Contractor shall be entitled to reimbursement for costs incurred for the Phase-In Period in an amount not to exceed $ **TBDC** that, if incurred after this contract had been entered into, would have been reimbursable under this contract.

I.6 OMBUDSMAN (NFS 1852.215-84) (OCT 2003)

(a) An ombudsman has been appointed to hear and facilitate the resolution of concerns from Offerors, potential Offerors, and Contractors during the pre-award and post-award phases of this acquisition. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The existence of the ombudsman is not to diminish the authority of the Contracting Officer, the Source Evaluation Board, or the selection official. Further, the ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of formal contract disputes. Therefore, before consulting with an ombudsman, interested parties must first address their concerns, issues, disagreements, and/or recommendations to the Contracting Officer for resolution.

(b) If resolution cannot be made by the Contracting Officer, interested parties may contact the installation ombudsman, Ken R. Human, Associate Director, John C. Stennis Space Center, MS. 39529, Phone: (228) 688-1128, FAX: (228) 688-3240, e-mail: Ken.R.Human@nasa.gov. Concerns, issues, disagreements, and recommendations which cannot be resolved at the installation may be referred to the NASA ombudsman, the Director of the Contract Management Division, at 202-358-0445, facsimile 202-358-3083, e-mail james.a.balinskas@nasa.gov Please do not contact the ombudsman to request copies of the solicitation, verify offer due date, or clarify technical requirements. Such inquiries shall be directed to the Contracting Officer or as specified elsewhere in this document.

(End of Clause)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 16

2. AMENDMENT/MODIFICATION NO.
000279

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule Net Increase: $1,322,473.19

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* 52.232-22 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action to include a zero and deob document (PR# 4200394820, zero #143 & deob #174).

2. See continuation pages 15-16.

3. All other terms and conditions remain the same.

Obligated Amount for this Modification: $1,322,473.19

Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
6-15-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: -$174,000.00 Incremental Funded Amount [redacted] om [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8675.10/ 000/2540/64/CASX22010R/CASP/11/12 to 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,059.62 to $.01 Percent changed from .00087 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.01/000/2540 /64/CASX32009D/255X Amount changed from $215,000.00 to $213,000.00 Percent changed from .09092 to .09008 CHANGES FOR ACCOUNTING CODE: 64RA20/6100.2540/FC000000/939904.01.09.02/000/2540 /64/EXCX22007D/941A Account code changed from 64RA20/6100.2540/64/FC000000/939904.01.09.02/000/2 540/64/EXCX22007D/941A/4/5 to 64RA20/6100.2540/FC000000/939904.01.09.02/000/2540 /64/EXCX22007D/941A Amount changed from $30,000.00 to $29,558.15 Percent changed from .01604 to .0125 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/677932.09.01.05/000/2540 /64/CASX32009D/255X Account code changed from 64RA10/6100.2540/64/FC000000/677932.09.01.05/000/2 540/64/CASX32009D/255X/3/4 to 64RA10/6100.2540/FC000000/677932.09.01.05/000/2540 /64/CASX32009D/255X Amount changed from $20,000.00 to $11,909.83 Percent changed from .00848 to .00504 CHANGES FOR ACCOUNTING CODE: 64RA40/6100.2540/FC000000/752374.36.23.02.09/000/2 540/64/CASX22010D/922A Account code changed from 64RA40/6100.2540/64/FC000000/752374.36.23.02.09/00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	0/2540/64/CASX22010D/922A/11/12 to 64RA40/6100.2540/FC000000/752374.36.23.02.09/000/2 540/64/CASX22010D/922A Amount changed from $14,341.00 to $358.45 Percent changed from .00663 to .00015 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,424.40 Percent: .0061 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9051.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,848.30 Percent: .00755 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8675.10/ 000/2540/64/CASX22010R/CASP/14/15 to 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,785.00 to $.01 Percent changed from .00083 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8656.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8656.10/ 000/2540/64/CASX22010R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8656.10/000 Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/2540/64/CASX22010R/CASP Amount changed from $299,818.09 to $295,996.03 Percent changed from .13943 to .12517 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 4/000/2540/64-956635/EXCX02006D/538A/20/21 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $180,000.00 to $6,000.00 Percent changed from .09625 to .00254 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8639.10/000 /2540/64/CASX22010R/CASP Amount changed from $13,568.89 to $13,477.42 Percent changed from .00574 to .0057 CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8675.10/ 000/2540/64/CASX22010R/CASP/17/18 to 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,568.00 to $.01 Percent changed from .00629 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8656.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8656.10/ 000/2540/64/CASX22010R/CASP/30/31 to 64BA22/6100.2540/FC000000/329527.01.09.8656.10/000 /2540/64/CASX22010R/CASP Amount changed from $199,481.91 to $191,170.84 Percent changed from .3551 to .34441 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8675.10/ 000/2540/64/CASX22010R/CASP/16/17 to Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Amount changed from $12,760.63 to $11,749.69 Percent changed from .02331 to .02117 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 5/000/2540/64-956635/EXCX02006D/538A/2/46 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $28,672.36 Percent: .05166 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9051.11/ 000/2540/64/CASX12011R/CASP/1/45 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $11,001.62 Percent: .01982 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8675.10/ 000/2540/64/CASX22010R/CASP/19/20 to 64BA22/6100.2540/FC000000/329527.01.09.8675.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,784.00 to $.01 Percent changed from .00325 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/269915.09.01.05/000/2540 /64/CECX62010D/769Z Account code changed from 64RA10/6100.2540/64/FC000000/269915.09.01.05/000/2 540/64/CECX62010D/769Z/5/6 to 64RA10/6100.2540/FC000000/269915.09.01.05/000/2540 /64/CECX62010D/769Z Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $25,000.00 to $.01 Percent changed from .04351 to 0 CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $1,496,473.19 Incremental Funded Amount changed from [redacted] (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8922.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,000.00 Percent: .02583 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/199008.02.09.9022.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,995.05 Percent: .01844 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8687.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,796.76 Percent: .00332 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.8820.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $34,000.00 Percent: .06273 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8823.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00923 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8892.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $145,888.33 Percent: .26917 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8897.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $162,825.64 Percent: .30042 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8905.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $140,000.00 Percent: .2583 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01845 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8938.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,500.00 Percent: .01015 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8941.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $600.00 Percent: .00111 Subject To Funding: Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8959.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,999.99 Percent: .00923 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8961.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .05535 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8964.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,500.00 Percent: .0083 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $498,625.00 Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .91997 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8986.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00554 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8994.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $548.30 Percent: .00101 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $234,105.00 Percent: .43193 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9000.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $5,170.31 Percent: .00954 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9004.11/ 000/2540/64/CASX12011R/CASP/20/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,000.00 Percent: .02768 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9018.11/ 000/2540/64/CASX12011R/CASP/21/22 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $66,000.00 Percent: .12177 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9027.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $800.00 Percent: .00148 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9036.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00923 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9040.11/ 000/2540/64/CASX12011R/CASP/24/25 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $417.00 Percent: .00077 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9051.11/ 000/2540/64/CASX12011R/CASP/25/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $46,150.08 Percent: .08515 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9060.11/ 000/2540/64/CASX12011R/CASP/26/27 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,500.00 Percent: .01384 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9061.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/27/28 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00923 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9062.11/ 000/2540/64/CASX12011R/CASP/28/29 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .0738 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9063.11/ 000/2540/64/CASX12011R/CASP/29/30 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $51.73 Percent: .0001 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8665.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8665.11/ 000/2540/64/CASX12011R/CASP/33/34 to 64BA22/6100.2540/FC000000/329527.01.09.8665.11/000 /2540/64/CASX12011R/CASP Amount changed from $6,417.81 to $.01 Percent changed from .01263 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/269027.04.09/000/2540 Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/64/SCEX22011D/515A/1/87 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,099.00 Percent: .01125 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 5/000/2540/64-956635/EXCX02006D/538A/3/88 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $318.80 Percent: .00059 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	(b)(4)	(b)(4)
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through September 7, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows: Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	(b)(4)	(b)(4)
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)	(b)(4)	(b)(4)
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 14,304,987.02	$1,322,473.19	$ 16,916,923.83*

***Value increased (MSAAP-mod 277); base unfunded increased**

4. Accounting and Appropriation Data:

PR #	Amount
4200394771 Zero # 143	0.00
4200311067/4600001521 Deob #174	$ (174,000.00)
4200394820	$1,496,473.19

See Funding Data, Pages 1-14.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 19

2. AMENDMENT/MODIFICATION NO. 000280

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule Net Increase: $4,840,336.86

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* 52.232-22 Limitation of Funds (Apr 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200394355, 4200394816, 4200394873, and 4200394808)

2. See continuation pages 18 and 19.

3. All other terms and conditions remain the same.

LIST OF CHANGES:

Continued ...

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)*
Beth L. Bradley

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
Beth L. Bradley
(Signature of Contracting Officer)

16C. DATE SIGNED 6-16-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Reason for Modification : Funding Only Action Total Amount for this Modification: $0.00 New Total Amount for this Version: $109,706,279.00 New Total Amount for this Award: $616,387,422.00 Obligated Amount for this Modification: $4,840,336.86 New Total Obligated Amount for this Award: $338,430,471.03 Incremental Funded Amount changed: from (b)(4) CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $4,840,336.86 Incremental Funded Amount changed from (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $87,000.00 Percent: .16052 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $272,000.00 Percent: .50185 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/3/4 Cost Center 64RA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $85,000.00 Percent: .15683 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $58,000.00 Percent: .10701 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.02.04.09/000/2 540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,700.00 Percent: .00314 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $53,000.00 Percent: .09779 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $70,000.00 Percent: .12915 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $900.00 Percent: .00166 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $300.00 Percent: .00055 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $342,000.00 Percent: .631 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $93,000.00 Percent: .17159 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/12/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $268,000.00 Percent: .49447 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2 540/64/CASX12011D/361N/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $48,000.00 Percent: .08856 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/14/15 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $72,000.00 Percent: .13284 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/15/16 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $59,000.00 Percent: .10886 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.02/000/2 540/64/CECX62011D/573Z/16/17 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,110.00 Percent: .074 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2 540/64/CECX62011D/573Z/17/18 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $11,692.00 Percent: .02157 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2 540/64/CECX62011D/573Z/18/19 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $24,808.00 Percent: .04577 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62011D/573Z/19/20 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $53,324.00 Percent: .09838 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.07/000/2 540/64/CECX62011D/573Z/20/21 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $29,048.00 Percent: .05359 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/21/22 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $45,651.00 Percent: .08423 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.10.02.09/000/2 540/64/CASX12011D/361N/22/23 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $60,819.00 Percent: .11221 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 540/64/CASX12011D/361N/23/24 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $97,000.00 Percent: .17897 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.10.09/000/2 540/64/CASX12011D/361N/24/25 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,000.00 Percent: .01292 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.01/000/2 540/64/CECX62011D/573Z/25/26 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100.00 Percent: .00018 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.06/000/2 540/64/CECX62011D/573Z/26/27 Cost Center 64RA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $300.00 Percent: .00055 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/384161.09.09.99/000/2 540/64/WCNX04546R/664A/27/28 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $151,000.00 Percent: .2786 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 9/000/2540/64-956635/EXCX02006D/538A/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,531.61 Percent: .00836 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/2/3 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,575.60 Percent: .03796 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 5/000/2540/64-956635/EXCX02006D/538A/3/4 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $586.10 Percent: .00108 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/ 8/000/2540/64-956635/EXCX02006D/538A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $60,428.60 Percent: .11149 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.0/ 8/000/2540/64-956635/EXCX02006D/538A/5/6 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,546.47 Percent: .03791 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.03.06.1/ 7/000/2540/64-956635/EXCX02006D/538A/6/7 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $353.43 Percent: .00065 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/1/000/2540/64-956635/EXCX02006D/538A/7/8 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $59,154.85 Percent: .10914 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/145812.09.01.03/000/2540/64/CASX32009D/255X/8/9 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,370.89 Percent: .00437 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/145812.09.01.05/000/2540/64/CASX32009D/255X/9/10 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,245.63 Percent: .0023 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.04/000/2540/64/CASX32009D/255X/10/11 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $98,375.17 Percent: .1815 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/398217.04.01.09/000/2540/64/EDUX22011D/833A/11/12 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .0369 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/269027.04.09/000/2540/64/SCEX22011D/515A/12/13 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,286.98 Percent: .00237 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/096516.01.09/000/2540/64/EDUX22010D/538Q/13/14 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,811.35 Percent: .03286 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .09225 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $240,000.00 Percent: .44281 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $390,000.00 Percent: .71956 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.54/000/2540/64/EXPX22011D/234A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $55.41 Percent: .0001 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,147.82 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .01134 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 4/000/2540/64/EXCX22011D/734A/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $101.15 Percent: .00019 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.01.09.01.01/00 0/2540/64/EXCX22011D/734A/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $29,968.66 Percent: .05529 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/9/10 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $300,000.00 Percent: .55351 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $500,000.00 Percent: .92251 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/11/12 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $900,000.00 Percent: 1.66052 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/811540.02.02.09/000/2 540/64/CASX12011D/512F/12/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01845 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.01.09.01.01/00 0/2540/64/EXCX22010D/734A/13/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $31.34 Percent: .00006 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/644423.06.32.03.09.0/ 9/000/2540/64/EXPX22010D/234A/14/15 Cost Center 64PA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $167.62 Percent: .00031 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $51,500.00 Percent: .09502 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.9016.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,586.78 Percent: .00293 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,162.69 Percent: .03167 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8803.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $.02 Percent: 0 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8799.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00923 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $596.69 Percent: .0011 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
(c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	**PREVIOUS**	**MODIFICATION**	**NEW**
Target Cost	[redacted] (b)(4)		
Provisional Incentive Fee			
Cost	[redacted] (b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through 09/28/2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	**PREVIOUS**	**MODIFICATION**	**NEW**
Target Cost	[redacted] (b)(4)		
Provisional Incentive Fee			
Cost	[redacted] (b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 14,304,987.02	**$4,840,336.86**	**$9,464,650.16**

4. Accounting and Appropriation Data:

PR #	Amount
4200394355	$2,030,752.00
4200394808	$ 24,346.18
4200394873	$2,477,972.00
4200394816	$ 307,266.68

See Funding Data, Pages 1-17.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF 3 PAGES

2. AMENDMENT/MODIFICATION NO. 000282

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* Paragraph C2(b) Government Directed Cost

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1.The purpose of this modification is to increase contract value to Award Term Period 1 (Contract Year 4) (CY4) and Award Term Period 2 (Contract Year 5) (CY5) as a result of increases to government directed categories in accordance with paragraph C2(b) Government Directed Cost.

2.This modification provides for an increase of $3,896,233 for materials in CY4, an increase of $1,946,951 for materials in CY5, and an increase of $2,200,000 for construction in CY5.

Continued ...

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)*
Beth L. Bradley

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
Beth L. Bradley
(Signature of Contracting Officer)

16C. DATE SIGNED 7-15-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	3. These costs were not anticipated or known at contract award and this modification is increasing the government provided estimates provided at contract award. The increases for CY4 are based on actuals being reported on NASA Form 533 (Monthly Contractor Financial Management Report) and increases for CY5 are based on historical cost trending of these cost elements and projections from NASA budget holders. 4. The contract value for materials in CY4 is being increased from $8,603,767 to $12,500,000, the contract value for materials in CY5 is being increased from $8,853,049 to $10,800,000 and the contract value for construction in CY5 is being increased from $3,300,000 to 5,500,000. 5. As a result of this modification, CY4 new value (to include G&A and fee) is [redacted] (b)(4) and CY5 new value (to include G&A and fee) is [redacted] (b)(4) 6. Section B, page 24 and 25 of 1478 is hereby modified to reflect the change in contract estimated cost and fees as a result of CY4 and CY5 value increases. Page 24 and 25 of 1478 is hereby removed and the attached (Attachment #1) page 24 and 25 of 1478 is substituted in place thereof. 7. All other conditions remain the same. Reason for Modification : Other Administrative Action Total Amount for this Modification: $8,645,159.00 New Total Amount for this Version: $118,351,438.00 New Total Amount for this Award: $625,032,581.00 CHANGES FOR LINE ITEM NUMBER: 3 Total Amount changed from $55,506,353.00 to $59,694,191.00 CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $55,506,353.00 to $59,694,191.00 CHANGES FOR LINE ITEM NUMBER: 4 Total Amount changed from $54,199,926.00 to $58,657,247.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $54,199,926.00 to $58,657,247.00 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

B.2.1 ESTIMATED COST AND INCENTIVE FEE (NFS 1852.216-84) (OCT. 1996)

PLEASE SEE SUMMARY TABLE BELOW FOR CONTRACT VALUE CHANGES

BASIC PERIOD (CLIN 2)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/07 – 08/27/08	(b)(4)	(b)(4)					$ 71,799,321
08/28/08 – 08/27/09							$ 84,087,858
08/28/09 – 08/27/10							$ 80,579,787
Total							$ 236,466,966
		Recovery Act Value (CLIN 10)					
08/28/09 – 08/27/10		(b)(4)					$2,394,151
		Recovery Act Value (CLIN 12)					
08/28/09 – 08/27/10							$1,303,122
		Basic Period Total					
08/28/09 – 08/27/10							$ 240,164,239

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

TARGET COST AND INCENTIVE FEE APPLICABLE TO EACH AWARD TERM PERIOD:

AWARD TERM PERIOD 1 (CLIN 3)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/10 – 08/27/11	(b)(4)						$ 59,694,191
		Recovery Act Value (CLIN 11*)					
08/28/10 – 08/27/11*							$286,540
		Award Term Period Total					
08/28/10 – 08/27/11							$59,980,731

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee – Reimbursements
*CLIN 11 period of performance ends 01/31/2011

AWARD TERM PERIOD 2

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/11 – 08/27/12	(b)(4)	(b)(4)					$58,657,247

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 3

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/12 – 08/27/13	(b)(4)	(b)(4)					$51,688,592

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 4

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/13 – 08/27/14	(b)(4)	(b)(4)					$ 52,339,527

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AWARD TERM PERIOD 5

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/14 – 08/27/15	(b)(4)						$ 53,096,382

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 15

2. AMENDMENT/MODIFICATION NO.
000283

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
See Schedule

5. PROJECT NO. (If applicable)

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY (If other than Item 6) CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED (SEE ITEM 13)
07/14/2007

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)
See Schedule Net Increase: $576,262.61

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action to include a zero and deob document (PR# 4200395732, zero #167 & deob #168).

2. See continuation pages 14-15.

3. All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Continued ...

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)
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
7/20/11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Total Amount for this Modification: $0.00 New Total Amount for this Version: $354,818,404.00 New Total Amount for this Award: $625,032,581.00 Obligated Amount for this Modification: $576,262.61 New Total Obligated Amount for this Award: $339,006,733.64 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: -$292,163.20 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/3/000/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/3/000/2540/64-956635/EXCX02006D/538A/1/2 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/3/000/2540/64-956635/EXCX02006D/538A Amount changed from $50,000.00 to $20,854.10 Percent changed from .02673 to .00882 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/000/2540/64-956635/EXCX02006D/538A Amount changed from $24,000.00 to $.01 Percent changed from .01015 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8570.09/000/2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8570.09/000/2540/64/CASX22009R/CASP/24/25 to 64BA22/6100.2540/FC000000/329527.01.09.8570.09/000/2540/64/CASX22009R/CASP Amount changed from $43,000.00 to $38,770.58 Percent changed from .02208 to .0164 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/000/2540/64-956635/EXCX02006D/538A Amount changed from $197,100.39 to $0.00 Percent changed from .0836 to 0 NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $284.60 Percent: .00012 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,295.35 Percent: .00139 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 4/000/2540/64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $.62 Percent: 0 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A013.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $52,426.22 Percent: .02217 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/215952.07.01.09.02/00 0/2540/64/EXPX22011D/029N/1/2 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,596.72 Percent: .00406 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/196325.02.01/000/2540/64 -196325/ESAX02006D/389A Amount changed from $111,882.26 to $104,080.25 Percent changed from .04731 to .04401 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8840.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8840.10/ 000/2540/64/CASX22010R/CASP/31/32 to 64BA22/6100.2540/FC000000/329527.01.09.8840.10/000 /2540/64/CASX22010R/CASP Amount changed from $5,000.00 to $.01 Percent changed from .00233 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8841.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8841.10/ 000/2540/64/CASX22010R/CASP/32/33 to 64BA22/6100.2540/FC000000/329527.01.09.8841.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,000.00 to $.01 Percent changed from .00465 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8842.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8842.10/ 000/2540/64/CASX22010R/CASP/33/34 to 64BA22/6100.2540/FC000000/329527.01.09.8842.10/000 /2540/64/CASX22010R/CASP Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $25,000.00 to $.01 Percent changed from .01163 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 4/000/2540/64-956635/EXCX02006D/538A/16/17 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $4,899.60 to $.01 Percent changed from .00262 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.1/6/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $1,448,896.88 to $1,438,734.67 Percent changed from .67255 to .60843 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $6,000.00 to $.01 Percent changed from .00254 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/2/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 2/000/2540/64-956635/EXCX02006D/538A/14/15 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/2/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $2,867.54 to $12.39 Percent changed from .00122 to .00001 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 4/000/2540/64-956635/EXCX02006D/538A/1/2 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $13,000.00 to $.01 Percent changed from .00695 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 4/000/2540/64-956635/EXCX02006D/538A/8/9 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/4/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $5,000.00 to $.01 Percent changed from .00257 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8552.09/000 /2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8552.09/ 000/2540/64/CASX22009R/CASP/10/11 to 64BA22/6100.2540/FC000000/329527.01.09.8552.09/000 /2540/64/CASX22009R/CASP Amount changed from $100,500.00 to $98,153.77 Percent changed from .05161 to .04151 CHANGES FOR ACCOUNTING CODE: 64QA00/6100.2540/FC000000/724297.20.29.09.03/000/2 540/64/CASX22010D/512F Account code changed from 64QA00/6100.2540/64/FC000000/724297.20.29.09.03/00 0/2540/64/CASX22010D/512F/1/2 to 64QA00/6100.2540/FC000000/724297.20.29.09.03/000/2 540/64/CASX22010D/512F Amount changed from $18,600.00 to $16,805.29 Percent changed from .00789 to .00711 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.07.04.09/000/2540 /64/CASX12011D/361N Amount changed from $20,063.00 to $19,304.78 Percent changed from .00848 to .00816 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8939.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8939.11/ 000/2540/64/CASX12011R/CASP/4/5 to 64BA22/6100.2540/FC000000/329527.01.09.8939.11/000 /2540/64/CASX12011R/CASP Amount changed from $11,200.00 to $2,527.05 Percent changed from .00475 to .00107 CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-$58,402.00 Incremental Funded Amount changed from $54,503,649.48 to $54,445,247.48 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.06.09/000/2540 /64/CASX12011D/361N Amount changed from $212.27 to $.01 Percent changed from .00038 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8955.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8955.11/ 000/2540/64/CASX12011R/CASP/16/17 to 64BA22/6100.2540/FC000000/329527.01.09.8955.11/000 /2540/64/CASX12011R/CASP Amount changed from $19,000.00 to $9,000.00 Percent changed from .03382 to .01508 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/804911.02.09.8587.11/000 /2540/64/CASX12011R/CASP Account code changed from 64PA00/6100.2540/64/FC000000/804911.02.09.8587.11/ 000/2540/64/CASX12011R/CASP/6/48 to 64PA00/6100.2540/FC000000/804911.02.09.8587.11/000 /2540/64/CASX12011R/CASP Amount changed from $7,949.45 to $7,948.83 Percent changed from .01433 to .01332 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A013.11/ 000/2540/64/CASX12011R/CASP/1/43 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $16,483.76 Percent: .02761 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8645.10/000 /2540/64/CASX22010R/CASP Amount changed from $10,400.55 to $4,129.67 Percent changed from .01893 to .00692 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/270687.09.01.02/000/2540 /64/ESAX02008D/361A Account code changed from 64RA10/6100.2540/64/FC000000/270687.09.01.02/000/2 540/64/ESAX02008D/361A/21/23 to 64RA10/6100.2540/FC000000/270687.09.01.02/000/2540 /64/ESAX02008D/361A Amount changed from $441,457.00 to $383,055.00 Percent changed from .77812 to .6417 CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $926,827.81 Incremental Funded Amount changed from $43,963,013.13 to $44,889,840.94 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9064.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $245,000.00 Percent: .41768 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9033.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $23,961.17 Percent: .04085 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/3/4 Cost Center 64PA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $200,000.00 Percent: .34096 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 4/000/2540/64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $58.60 Percent: .0001 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $300,000.00 Percent: .51145 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $350,000.00 Percent: .59669 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/7/8 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $64,566.90 Percent: .11007 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.65/000/2540/64/EXPX22011D/234A/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,600.00 Percent: .02148 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.99/000/2540/64/EXPX22011D/234A/9/10 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,158.12 Percent: .00709 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.98.08.01.09/00 0/2540/64/EXPX02009D/234A/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,483.00 Percent: .04515 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.01.03.09/000/2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.01.03.09/000/2540/64/CASX12011D/361N/3/4 to 64RA00/6100.2540/FC000000/736466.01.03.09/000/2540/64/CASX12011D/361N Amount changed from $56.00 to $54.95 Percent changed from .00011 to .00009 CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/269027.04.09/000/2540/64/SCEX22011D/515A Account code changed from 64BA00/6100.2540/64/FC000000/269027.04.09/000/2540/64/SCEX22011D/515A/5/6 to 64BA00/6100.2540/FC000000/269027.04.09/000/2540/64/SCEX22011D/515A Amount changed from $3,000.00 to $2,715.40 Percent changed from .00575 to .00463 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.02.05.09/000/2540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.02.05.09/000/2540/64/CASX12011D/361N/8/9 to 64RA00/6100.2540/FC000000/736466.02.05.09/000/2540/64/CASX12011D/361N Amount changed from $1,012.00 to $868.72 Percent changed from .00194 to .00148 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8896.11/000/2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8896.11/000/2540/64/CASX12011R/CASP/24/25 to 64BA22/6100.2540/FC000000/329527.01.09.8896.11/000/2540/64/CASX12011R/CASP Amount changed from $177,300.00 to $174,800.00 Percent changed from .34887 to .298 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.9028.11/000/2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.9028.11/000/2540/64/CASX12011R/CASP/5/6 to 64BA22/6100.2540/FC000000/329527.01.09.9028.11/000/2540/64/CASX12011R/CASP Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $421,434.00 to $421,432.75 Percent changed from .80834 to .71847 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/4/5 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $184,712.00 to $.01 Percent changed from .35429 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/1/2 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $115,288.00 to $.01 Percent changed from .22113 to 0 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.07.10.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.07.10.09/000/2 540/64/CASX12011D/361N/24/25 to 64RA00/6100.2540/FC000000/736466.07.10.09/000/2540 /64/CASX12011D/361N Amount changed from $7,000.00 to $6,536.48 Percent changed from .01292 to .01114 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A013.11/ 000/2540/64/CASX12011R/CASP/1/84 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,110.72 Percent: .00871 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64RA00/6100.2540/FC000000/736466.06.06.09.01/000/2540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.06.09.01/000/2540/64/CASX12011D/361N/9/10 to 64RA00/6100.2540/FC000000/736466.06.06.09.01/000/2540/64/CASX12011D/361N Amount changed from $62,930.00 to $61,212.98 Percent changed from .1207 to .10436 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through September 30, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$9,464,650.16	$576,262.61	$ 20,145,483.36

***Value increased (MSAAP-mod 277); base unfunded increased**

4. Accounting and Appropriation Data:

PR #	Amount
Zero #167	0.00
Deob #168	$ (650,565.18)
4200400739	$1,226,827.79

See Funding Data, Pages 1-14.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES: 1 | 21

2. AMENDMENT/MODIFICATION NO.: 000284

3. EFFECTIVE DATE: See Block 16C

4. REQUISITION/PURCHASE REQ. NO.: See Schedule

5. PROJECT NO. *(If applicable)*:

6. ISSUED BY — CODE: SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* — CODE: SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE: 07486 | FACILITY CODE:

(x) 9A. AMENDMENT OF SOLICITATION NO.:

9B. DATED *(SEE ITEM 11)*:

x 10A. MODIFICATION OF CONTRACT/ORDER NO.: NNS07AB21C

10B. DATED *(SEE ITEM 13)*: 07/14/2007

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)*: See Schedule — Net Increase: $4,948,416.41

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

CHECK ONE

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).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER *(Specify type of modification and authority)*

X 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200400742, 4200400062, 4200401211).

2. See continuation pages 20-21.

3. All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Total Amount for this Modification: $0.00
Continued ...

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)*: ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR: _____ *(Signature of person authorized to sign)*

15C. DATE SIGNED:

16B. UNITED STATES OF AMERICA: _____ *(Signature of Contracting Officer)*

16C. DATE SIGNED: 7/22/2011

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Amount for this Version: $58,657,247.00 New Total Amount for this Award: $625,032,581.00 Obligated Amount for this Modification: $4,948,416.41 New Total Obligated Amount for this Award: $343,955,150.05 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $4,948,416.41 Incremental Funded Amount changed from [redacted] (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09.01/00 0/2540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1.00 Percent: 0 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $526,000.00 Percent: .89673 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $92,215.00 Percent: .15721 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $47,012.00 Percent: .08015 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $62,400.00 Percent: .10638 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.02.04.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,217.00 Percent: .00548 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $298,000.00 Percent: .50804 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $74,600.00 Percent: .12718 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,320.00 Percent: .00907 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,800.00 Percent: .0133 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $255,203.00 Percent: .43507 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/12/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,810.00 Percent: .34234 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2 540/64/CASX12011D/361N/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $31,300.00 Percent: .05336 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/14/15 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $23,300.00 Percent: .03972 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/15/16 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .06819 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 540/64/CASX12011D/361N/16/17 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $56,000.00 Percent: .09547 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2 540/64/CECX62011D/573Z/17/18 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $600.00 Percent: .00102 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.06/000/2 540/64/CECX62011D/573Z/18/19 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100.00 Percent: .00017 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA00/6100.2540/64/FC000000/384161.09.09.99/000/2540/64/WCNX04546R/664A/1/2 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,500,613.00 Percent: 2.55827 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.12/000/2540/64/WCNX04546R/664A/2/3 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .17048 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/956635.09.06.07.05.1/8/000/2540/64-956635/EXCX02006D/538A/3/4 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,444.61 Percent: .34172 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/136905.98.08.02.09/000/2540/64/ESAX02008D/234A/4/5 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,499.04 Percent: .02472 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.03/000/2 540/64/WCNX04546R/664A/5/6 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00852 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.04/000/2 540/64/WCNX04546R/664A/6/7 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00341 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.06/000/2 540/64/WCNX04546R/664A/7/8 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00341 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.0/ 1/000/2540/64-956635/EXCX02006D/538A/8/9 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,421.33 Percent: .00242 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/				
	5/000/2540/64-956635/EXCX02006D/538A/9/10				
	Cost Center 64RA10				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $44,608.03				
	Percent: .07605				
	Subject To Funding:				
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64RA10/6100.2540/64/FC000000/270687.09.01.01/000/2				
	540/64/ESAX02008D/361A/11/12				
	Cost Center 64RA10				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $7,402.00				
	Percent: .01262				
	Subject To Funding:				
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64RA10/6100.2540/64/FC000000/270687.09.01.03/000/2				
	540/64/ESAX02008D/361A/12/13				
	Cost Center 64RA10				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $51,000.00				
	Percent: .08695				
	Subject To Funding:				
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	64RA10/6100.2540/64/FC000000/677932.09.01.04/000/2				
	540/64/CASX32009D/255X/13/14				
	Cost Center 64RA10				
	GI Account 6100.2540				
	Order FC000000				
	Quantity: 0				
	Amount: $14,598.29				
	Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .02489 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/215952.07.01.09.02/00 0/2540/64/EXPX22011D/029N/14/15 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $66,403.28 Percent: .11321 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/269027.04.09/000/2540 /64/SCEX22011D/515A/16/17 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,465.40 Percent: .02978 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/424606.01.17.08.02/00 0/2540/64/EXCX22011D/733B/17/18 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/096516.01.09/000/2540 /64/EDUX22010D/538Q/18/19 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $12,000.00 Percent: .02046 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8211.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $543.96 Percent: .00093 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A009.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,254.00 Percent: .00555 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A008.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,768.00 Percent: .00301 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A002.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $109,168.00 Percent: .18611 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A004.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $44,010.00 Percent: .07503 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A001.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $111,968.00 Percent: .19089 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A013.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $73,823.30 Percent: .12586 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A014.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $28,160.00 Percent: .04801 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A005.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,538.00 Percent: .01797 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A006.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,570.00 Percent: .00438 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A007.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $62,882.00 Percent: .1072 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8995.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $255,125.00 Percent: .43494 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9027.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00341 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A011.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,152.00 Percent: .0139 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8518.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $845.15 Percent: .00144 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9051.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .08524 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A003.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $90,000.00 Percent: .15343 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/715238.09.01.A012.11/ 000/2540/64/EULX01122L/CASP/20/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,115.00 Percent: .00531 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8922.11/ 000/2540/64/CASX12011R/CASP/21/22 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .0341 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9073.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,000.00 Percent: .01023 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8953.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8963.11/ 000/2540/64/CASX12011R/CASP/24/25 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,000.00 Percent: .00682 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8892.11/ 000/2540/64/CASX12011R/CASP/25/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $149,691.80 Percent: .2552 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8994.11/ 000/2540/64/CASX12011R/CASP/26/27 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $638.70 Percent: .00109 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9000.11/ 000/2540/64/CASX12011R/CASP/27/28 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,740.85 Percent: .00467 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9025.11/ 000/2540/64/CASX12011R/CASP/28/29 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,726.12 Percent: .0217 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9003.11/ 000/2540/64/CASX12011R/CASP/29/30 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9004.11/ 000/2540/64/CASX12011R/CASP/30/31 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/31/32 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8860.11/ 000/2540/64/CASX12011R/CASP/32/33 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,744.55 Percent: .00297 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9042.11/ 000/2540/64/CASX12011R/CASP/33/34 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,612.00 Percent: .03003 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9042.11/ 000/2540/64/CASX12011R/CASP/33/34 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $0.00 Percent: 0 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/129985.01.09.01/000/2 540/64/CASX12011R/CMO/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $62,007.00 Percent: .10571 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through October 22, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	**MODIFICATION**	**NEW**
$ 20,145,483.36	**$4,948,416.41**	**$ 15,197,066.95**

4. Accounting and Appropriation Data:

PR #	Amount
4200401211	$2,049,454.98
4200400062	$1,723,878.00
4200400742	$1,175,083.43

See Funding Data, Pages 1-19.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 000285

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: 52.243-2 Changes-Cost Reimbursement-Alternate II (Apr 1984)
	D. OTHER *(Specify type of modification and authority)*

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

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

LIST OF CHANGES:

The purpose of this no-cost modification is to incorporate changes to FAR clause 52.232-19, Availability of Funds for the Next Fiscal Year.

This change updates the clause which was incorporated via modification # 240 dated September 29, 2010.

1. Section I, page 89 of 1478 is hereby modified to reflect the added clause and its changes. Page 89 of 1478 is hereby removed and the attached (Attachment #1) page 89 of 1478 is substituted in place thereof.

Continued ...

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)* Daniel Pierre / General Mgr.

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)* ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR Daniel Pierre *(Signature of person authorized to sign)*

15C. DATE SIGNED 16 Aug 2011

16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*

16C. DATE SIGNED 8-16-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	2. Contractor's Statement of Release: In consideration of the modification agreed to herein of the changes noted above, the contractor hereby releases the government from any further liability under this contract for any equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein. 3. All other terms and conditions remain the same. Reason for Modification : Other Administrative Action Total Amount for this Modification: $0.00				

The Contractor shall obtain and maintain insurance coverage as follows for the performance of this contract:

(a) Worker's compensation and employer's liability insurance as required by applicable Federal and state workers' compensation and occupational disease statutes. If occupational diseases are not compensable under those statutes, they shall be covered under the employer's liability section of the insurance policy, except when contract operations are so commingled with the Contractor's commercial operations that it would not be practical. The employer's liability coverage shall be at least $100,000, except in States with exclusive or monopolistic funds that do not permit workers' compensation to be written by private carriers.

(b) Comprehensive general (bodily injury) liability insurance of at least $500,000 per occurrence.

(c) Motor vehicle liability insurance written on the comprehensive form of policy which provides for bodily injury and property damage liability covering the operation of all motor vehicles used in connection with performing the contract. Policies covering motor vehicles operated in the United States shall provide coverage of at tleast $200,000 per person and $500,000 per occurrence for bodily injury liability and $20,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirement of the locality and sufficient to meet normal and customary claims.

(d) Comprehensive general and motor vehicle liability policies shall contain a provision worded as follows:

"The insurance company waives any right of subrogation against the United States of America which may arise by reason of any payment under the policy."

(e) Comprehensive general marine insurance.

(f) Comprehensive medical malpractice insurance at $1,000,000 per each medical incident.

(g) Prior to the commencement of work hereunder, evidence of insurance shall be furnished in a form satisfactory to the contracting officer. In addition, the contractor shall furnish evidence of a commitment by the insurance company to notify the contracting officer in writing of any material change, expiration, or cancellation of any of the insurance policies required hereunder not less than thirty (30) days before such change, expiration, or cancellation.

(End of Clause)

I.8 52.232-19 Availability of Funds for the Next Fiscal Year (Apr 1984)

Funds are not presently available for performance under this contract beyond September 30, 2011. The Government's obligation for performance of this contract beyond that date is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise for performance under this contract beyond September 30, 2011, until funds are made available to the Contracting Officer for performance and until the Contractor receives notice of availability, to be confirmed in writing by the Contracting Officer.

(End of Clause)

[END OF SECTION]

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 10

2. AMENDMENT/MODIFICATION NO. 000286

3. EFFECTIVE DATE 08/16/2011

4. REQUISITION/PURCHASE REQ. NO. 4200405859

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 _____ copies to the issuing office.

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

This administrative Modification is a zero dollar adjustment (Zero # 187, PR #4200405859).
All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $354,818,404.00
New Total Amount for this Award: $625,032,581.00
CHANGES FOR LINE ITEM NUMBER: 2

NEW ACCOUNTING CODE ADDED:
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 8-16-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.07/000/2 540/64/CECX62011D/573Z/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,987.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2 540/64/CECX62011D/573Z/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,935.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,589.76 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $35,530.64 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8703.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8703.10/ 000/2540/64/CASX22010R/CASP/15/16 to 64BA22/6100.2540/FC000000/329527.01.09.8703.10/000 /2540/64/CASX22010R/CASP Amount changed from $11,000.00 to $.01 CHANGES FOR ACCOUNTING CODE: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/FC000000/329527.01.09.8698.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8698.10/ 000/2540/64/CASX22010R/CASP/35/37 to 64BA22/6100.2540/FC000000/329527.01.09.8698.10/000 /2540/64/CASX22010R/CASP Amount changed from $28,851.00 to $23,553.71 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/335763.09.01.04.02/000/2 540/64/CASX02009D/855F Account code changed from 64RA10/6100.2540/64/FC000000/335763.09.01.04.02/00 0/2540/64/CASX02009D/855F/10/11 to 64RA10/6100.2540/FC000000/335763.09.01.04.02/000/2 540/64/CASX02009D/855F Amount changed from $313,400.00 to $304,537.65 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/335763.09.01.04.05/000/2 540/64/CASX02009D/855F Amount changed from $267,500.00 to $267,472.41 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/335763.09.01.04.06/000/2 540/64/CASX02009D/855F Amount changed from $9,129.00 to $576.33 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8708.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8708.10/ 000/2540/64/CASX22010R/CASP/26/27 to 64BA22/6100.2540/FC000000/329527.01.09.8708.10/000 /2540/64/CASX22010R/CASP Amount changed from $7,000.00 to $1,695.42 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8703.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8703.10/ 000/2540/64/CASX22010R/CASP/24/25 to 64BA22/6100.2540/FC000000/329527.01.09.8703.10/000 /2540/64/CASX22010R/CASP Amount changed from $39,900.00 to $37,300.45 CHANGES FOR ACCOUNTING CODE: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA00/6100.2540/FC000000/335763.09.01.04.02/000/2540/64/CASX02009D/855F Account code changed from 64BA00/6100.2540/64/FC000000/335763.09.01.04.02/000/2540/64/CASX02009D/855F/12/13 to 64BA00/6100.2540/FC000000/335763.09.01.04.02/000/2540/64/CASX02009D/855F Amount changed from $18,848.00 to $759.97 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8756.10/000/2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8756.10/000/2540/64/CASX22010R/CASP/6/7 to 64BA22/6100.2540/FC000000/329527.01.09.8756.10/000/2540/64/CASX22010R/CASP Amount changed from $6,000.00 to $114.04 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/000/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/7/000/2540/64-956635/EXCX02006D/538A/1/2 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/000/2540/64-956635/EXCX02006D/538A Amount changed from $14,424.40 to $.01 CHANGES FOR LINE ITEM NUMBER: 3 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/000/2540/64/CASX12011R/CASP/1/43 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,457.74 NEW ACCOUNTING CODE ADDED: Account code: 64IA00/6100.2540/64/FC000000/424606.01.01.04/000/2540/64/EXCX22011D/733B/2/44 Cost Center 64IA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $187.04 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A007.11/ 000/2540/64/CASX12011R/CASP/3/45 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,551.35 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8689.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8689.10/ 000/2540/64/CASX22010R/CASP/14/15 to 64BA22/6100.2540/FC000000/329527.01.09.8689.10/000 /2540/64/CASX22010R/CASP Amount changed from $500.00 to $432.99 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8667.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8667.10/ 000/2540/64/CASX22010R/CASP/21/22 to 64BA22/6100.2540/FC000000/329527.01.09.8667.10/000 /2540/64/CASX22010R/CASP Amount changed from $22,341.00 to $14,024.40 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8808.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8808.10/ 000/2540/64/CASX22010R/CASP/15/16 to 64BA22/6100.2540/FC000000/329527.01.09.8808.10/000 /2540/64/CASX22010R/CASP Amount changed from $15,000.00 to $14,301.71 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8723.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8723.10/ 000/2540/64/CASX22010R/CASP/32/33 to 64BA22/6100.2540/FC000000/329527.01.09.8723.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,500.00 to $686.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8733.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8733.10/ 000/2540/64/CASX22010R/CASP/35/36 to 64BA22/6100.2540/FC000000/329527.01.09.8733.10/000 /2540/64/CASX22010R/CASP Amount changed from $1,200.00 to $91.27 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/804911.02.09.8601.10/000 /2540/64/CASX22010R/CASP Account code changed from 64PA00/6100.2540/64/FC000000/804911.02.09.8601.10/ 000/2540/64/CASX22010R/CASP/2/44 to 64PA00/6100.2540/FC000000/804911.02.09.8601.10/000 /2540/64/CASX22010R/CASP Amount changed from $62,500.00 to $31,687.19 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8765.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8765.10/ 000/2540/64/CASX22010R/CASP/14/15 to 64BA22/6100.2540/FC000000/329527.01.09.8765.10/000 /2540/64/CASX22010R/CASP Amount changed from $15,000.00 to $14,409.46 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8825.10/000 /2540/64/CASX22010R/CASP Amount changed from $8,392.86 to $8,096.52 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8715.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8715.10/ 000/2540/64/CASX22010R/CASP/28/29 to 64BA22/6100.2540/FC000000/329527.01.09.8715.10/000 /2540/64/CASX22010R/CASP Amount changed from $27,463.99 to $27,346.98 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8464.09/000 /2540/64/CASX22009R/CASP Amount changed from $82,555.20 to $77,180.40 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 4 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A007.11/ 000/2540/64/CASX12011R/CASP/1/84 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $77,090.65 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A010.11/ 000/2540/64/CASX12011R/CASP/2/85 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $58,900.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9051.11/ 000/2540/64/CASX12011R/CASP/3/86 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $53,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8914.11/ 000/2540/64/CASX12011R/CASP/4/87 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,928.69 NEW ACCOUNTING CODE ADDED: Account code: 64IA00/6100.2540/64/FC000000/424606.01.01.04/000/2 540/64/EXCX22011D/733B/5/88 Cost Center 64IA00 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $34,999.98 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/6/89 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,525.47 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/921179.01.09.8802.11/000 /2540/64/CASX12011R/CASP Account code changed from 64PA00/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/5/6 to 64PA00/6100.2540/FC000000/921179.01.09.8802.11/000 /2540/64/CASX12011R/CASP Amount changed from $13,813.12 to $12,287.65 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.02/000/2540 /64/CECX62011D/573Z Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.02/000/2 540/64/CECX62011D/573Z/1/2 to 64RA00/6100.2540/FC000000/821001.09.01.02/000/2540 /64/CECX62011D/573Z Amount changed from $12,600.00 to $9,611.00 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/804911.02.09.8998.11/000 /2540/64/CASX12011R/CASP Account code changed from 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/7/8 to 64PA00/6100.2540/FC000000/804911.02.09.8998.11/000 /2540/64/CASX12011R/CASP Amount changed from $50,000.00 to $30,000.00 CHANGES FOR ACCOUNTING CODE: 64RA30/6100.2540/FC000000/884617.04.04.01.09.0/2.0 8/000/2540/64/CASX12011D/922A Account code changed from 64RA30/6100.2540/64/FC000000/884617.04.04.01.09.0/ 2.08/000/2540/64/CASX12011D/922A/3/4 to 64RA30/6100.2540/FC000000/884617.04.04.01.09.0/2.0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	8/000/2540/64/CASX12011D/922A Amount changed from $38,000.00 to $37,812.96 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8896.11/000 /2540/64/CASX12011R/CASP Amount changed from $174,800.00 to $164,800.00 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8897.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8897.11/ 000/2540/64/CASX12011R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8897.11/000 /2540/64/CASX12011R/CASP Amount changed from $162,825.64 to $4,825.64 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.05/000/2540 /64/CECX62011D/573Z Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.05/000/2 540/64/CECX62011D/573Z/19/20 to 64RA00/6100.2540/FC000000/821001.09.01.05/000/2540 /64/CECX62011D/573Z Amount changed from $53,324.00 to $38,391.00 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/2/3 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.2/7/0 00/2540/64-956635/EXCX02006D/538A Amount changed from $20,575.60 to $.01 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/750271.04.09.76/000/2540 /64/EXCX22011D/734A Account code changed from 64PA00/6100.2540/64/FC000000/750271.04.09.76/000/2 540/64/EXCX22011D/734A/1/2 to 64PA00/6100.2540/FC000000/750271.04.09.76/000/2540 /64/EXCX22011D/734A Amount changed from $48,000.00 to $41,765.31 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 12

2. AMENDMENT/MODIFICATION NO.
000287

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule Net Increase: $1,154,242.98

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 52.232-22 Limitations of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200405950).

2. See continuation pages 11-12.

3. All other terms and conditions remain the same.

Reason for Modification: Funding Only Action
Total Amount for this Modification: $0.00
New Total Amount for this Version: $58,657,247.00
Continued ...

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)*
Beth L. Bradley

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
Beth L. Bradley
(Signature of Contracting Officer)

16C. DATE SIGNED
8-17-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Amount for this Award: $625,032,581.00 Obligated Amount for this Modification: $1,154,242.98 New Total Obligated Amount for this Award: $345,109,393.03 Incremental Funded Amount changed: (b)(4) CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $1,154,242.98 Incremental Funded Amount changed from (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A013.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $76,250.00 Percent: .12999 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A014.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,524.00 Percent: .02476 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8986.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,500.00 Percent: .00426 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9081.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,999.99 Percent: .00852 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9082.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,999.99 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9083.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $24,999.99 Percent: .04262 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9086.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $350,000.00 Percent: .59669 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9085.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,600.00 Percent: .00955 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A027.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $46,200.00 Percent: .07876 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A028.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $33,000.00 Percent: .05626 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A003.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $176,778.00 Percent: .30137 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8815.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $309.14 Percent: .00053 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9073.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,500.00 Percent: .00597 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9077.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,000.00 Percent: .01023 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9078.11/ 000/2540/64/CASX12011R/CASP/15/16 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9079.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,100.00 Percent: .0104 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8964.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00341 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9080.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,000.00 Percent: .01193 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.8941.11/ 000/2540/64/CASX12011R/CASP/20/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,287.87 Percent: .0022 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8942.11/ 000/2540/64/CASX12011R/CASP/21/22 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8983.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $188,081.00 Percent: .32064 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8948.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,515.00 Percent: .02134 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8950.11/ 000/2540/64/CASX12011R/CASP/24/25 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00511 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A026.11/ 000/2540/64/CASX12011R/CASP/25/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A002.11/ 000/2540/64/CASX12011R/CASP/26/27 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $54,044.00 Percent: .09214 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9003.11/ 000/2540/64/CASX12011R/CASP/27/28 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,500.00 Percent: .0179 Subject To Funding: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9004.11/ 000/2540/64/CASX12011R/CASP/28/29 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $71,000.00 Percent: .12104 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9061.11/ 000/2540/64/CASX12011R/CASP/29/30 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,500.00 Percent: .01279 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A006.11/ 000/2540/64/CASX12011R/CASP/30/31 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,285.00 Percent: .00219 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A005.11/ 000/2540/64/CASX12011R/CASP/31/32 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,269.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00898 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost		(b)(4)	
Provisional Incentive Fee			
Cost		(b)(4)	
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through October 27, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost		(b)(4)	
Provisional Incentive Fee			
Cost		(b)(4)	
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost		(b)(4)	
Provisional Incentive Fee			
Cost		(b)(4)	
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 15,197,066.95	$1,154,242.98	$14,042,823.97

4. Accounting and Appropriation Data:

PR #	Amount
4200405950	$1,154,242.98

See Funding Data, Pages 1-10.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 3

2. AMENDMENT/MODIFICATION NO. 000288

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. 4200406226

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 0 copies to the issuing office.

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

This administrative modification is a zero dollar adjustment (Zero #201, PR #4200406226).
All other terms & conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
CHANGES FOR LINE ITEM NUMBER: 4

CHANGES FOR ACCOUNTING CODE:
64PA00/6100.2540/FC000000/921179.01.09.8802.11/000/2540/64/CASX12011R/CASP
Amount changed from $12,287.65 to $10,762.18
Continued ...

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)*
Beth L. Bradley

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
Beth A. Bradley
(Signature of Contracting Officer)

16C. DATE SIGNED 8-17-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .02095 to .01835 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.03.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/10/11 to 64RA00/6100.2540/FC000000/736466.06.03.09/000/2540 /64/CASX12011D/361N Amount changed from $115,100.00 to $76,468.53 Percent changed from .22648 to .13037 CHANGES FOR ACCOUNTING CODE: 64BA00/6100.2540/FC000000/384161.09.09.02/000/2540 /64/WCNX04546R/664A Account code changed from 64BA00/6100.2540/64/FC000000/384161.09.09.02/000/2 540/64/WCNX04546R/664A/3/4 to 64BA00/6100.2540/FC000000/384161.09.09.02/000/2540 /64/WCNX04546R/664A Amount changed from $159,370.00 to $145,325.05 Percent changed from .30568 to .24775 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,525.47 Percent: .0026 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/335763.09.01.04.01/00 0/2540/64/CASX02009D/855F/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,950.38 Percent: .04595 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/335763.09.01.04.04/00 0/2540/64/CASX02009D/855F/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $27.59 Percent: .00005 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/335763.09.01.04.03/00 0/2540/64/CASX02009D/855F/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $11,653.50 Percent: .01987 Subject To Funding: Payment Address:				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA00/6100.2540/64/FC000000/384161.09.09.12/000/2 540/64/WCNX04546R/664A/1/2 Cost Center 64BA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,044.95 Percent: .02394 Subject To Funding: Payment Address:				
	Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 16

2. AMENDMENT/MODIFICATION NO. 000289

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. (If applicable)

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY (If other than Item 6) CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED (SEE ITEM 13) 07/14/2007

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)
See Schedule Net Increase: $6,932,399.54

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200405606,4200405972, 4200405959, 4200405939, 4200405942, 4200405982, 4200403668, 4200405003, 4200406589).

2. See continuation pages 15-16.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
Obligated Amount for this Modification: $6,932,399.54
Continued ...

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) Beth L. Bradley

15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA Beth L. Bradley (Signature of Contracting Officer)

16C. DATE SIGNED 8-19-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Obligated Amount for this Award: $352,041,792.57 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $6,932,399.54 Incremental Funded Amount changed from [redacted] (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2540/64/CASX12011D/361N/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $33,600.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2540/64/CASX12011D/361N/14/15 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $69,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2540/64/CASX12011D/361N/15/16 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $300.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2540/64/CECX62011D/573Z/16/17 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $400.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2540/64/CECX62011D/573Z/17/18 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $9,400.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.08/000/2 540/64/CECX62011D/573Z/18/19 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $4,400.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/19/20 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $27,800.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.10.02.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $1,230.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22010D/734A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $2,977.81 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $400,000.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $200,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.30/00 0/2540/64/EXCX22011D/734A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $3,480.46 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $42,953.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.31/00 0/2540/64/EXCX02009D/734A/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $224,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/11/12 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $200,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.54/000/2540/64/EXPX22011D/234A/12/13 Cost Center 64PA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Amount: $3,134.58 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/13/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $250,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $78,235.33 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22010D/234A/15/16 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $2.10 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/206518.10.70.01/000/2 540/64/EXPX22010D/234A/16/17 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $263.72 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/206518.10.70.02/000/2 540/64/EXPX22010D/234A/17/18 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $22,999.99 NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8724.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $20,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.61/000/2540/64/EXPX22011D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $1,800,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/998368.02.09.06.11/00 0/2540/64/CECX62011D/766P/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $1,900,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8890.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $420.85 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8892.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $160,222.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9001.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Amount: $5,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8860.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $7,966.93 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9042.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $18,503.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A018.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $30,543.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A020.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $22,500.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A022.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $876.00 NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.A001.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $57,739.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A004.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $22,845.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8475.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $6,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8737.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $7,682.74 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8558.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $1,548.63 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8924.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $3,788.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9028.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $.25 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8914.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $1,359.06 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8915.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $21,928.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8994.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $936.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9000.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $2,643.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9025.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $2,256.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8989.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $22,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A009.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $1,687.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A008.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $995.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A011.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $8,654.00 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $8,482.01 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8907.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $1,638.89				
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8758.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Amount: $25,416.80				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2 540/64/CECX62011D/573Z/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $178,961.00				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.06/000/2 540/64/CECX62011D/573Z/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $1,388.00				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.08/000/2 540/64/CECX62011D/573Z/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $50,000.00				
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/3/3 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $69,100.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $110,000.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.02.04.09/000/2 540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $1,200.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $31,700.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $25.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $7,100.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $286,100.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $5,300.00 Percent: .00904 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $137,300.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2 540/64/CASX12011D/361N/12/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $54,700.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.03/000/2 540/64/CASX32009D/255X/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Amount: $13,813.07 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/677932.09.01.01/000/2 540/64/CASX32009D/255X/2/3 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Amount: $800.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/64-6470-00/000/2540/6 4-6470/SFCX02004D/UA/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Amount: $8,066.68 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.9016.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $4,987.97 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Amount: $216,736.69 NEW ACCOUNTING CODE ADDED: Account code: 64IA00/6100.2540/64/FC000000/424606.01.01.04/000/2 540/64/EXCX22011D/733B/6/7 Cost Center 64IA00 GI Account 6100.2540 Order FC000000 Amount: $17,312.98 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:
2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through November 26, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIOD 1			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 2 is revised as follows:

BASE PERIOD + AWARD TERM PERIOD 1 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$14,042,823.97	$6,932,399.54	$7,110,424.43

4. Accounting and Appropriation Data:

PR #	Amount
4200406589	$ 261,717.39
4200405003	$ 848,655.00
4200403668	$ 230,349.00
4200405982	$ 139,860.38
4200405942	$ 111,658.00
4200405939	$ 192,112.78
4200405959	$1,900,000.00
4200405972	$1,800,000.00
4200405606	$1,448,046.99

See Funding Data, Pages 1-14.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO.
000290

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
4200405859

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: FAR 52.243-2 Changes- Cost Reimbursement -Alternate II (Apr 1984)
	D. OTHER *(Specify type of modification and authority)*

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

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

LIST OF CHANGES:

1. The purpose of this modification is to increase contract year four value. This modification provides for changes within the general scope of work under the current contract as a result of increased government directed costs for materials and equipment and other direct costs associated with labor. Specific increases include increased labor associated with the following: Hurricane Katrina projects, unknown A3 Construction Management support, J2X support and other test complex support. This modification also includes costs for additional custodial, educational and cafeteria operations to include contractor tax and subcontractor costs. These costs were not anticipated or known at contract award.

Continued ...

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)*
Daniel Pierre FOSC GM

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
Beth L. Bradley

15B. CONTRACTOR/OFFEROR
Daniel Pierre
(Signature of person authorized to sign)

15C. DATE SIGNED
25 Aug 2011

16B. UNITED STATES OF AMERICA
Beth L. Bradley
(Signature of Contracting Officer)

16C. DATE SIGNED
8-25-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	2. Section B, Page 24 of 1478 is hereby modified to reflect the changes in contract estimated cost and fees as a result of CY4 equitable adjustment value increase. Page 24 of 1478 is hereby removed and Attachment 1, revised page 24 of 1478, is substituted in place thereof. 3. Incorporate Attachment 2, Jacobs, FOSC PCMP 0019 Revision 1. An increase of value for the additional scope resulted in a net increase of $22,030,289. Contract Year 4 new value is: $82,011,020. 4. Contractor's Statement of Release: In consideration of the modification agreed to herein as complete equitable adjustment of the changes noted on Items 1 through 3 above, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein. 5. All other terms and conditions remain the same. Reason for Modification : Supplemental Agreement for work within scope Total Amount for this Modification: $22,030,289.00 New Total Amount for this Version: $81,724,480.00 New Total Amount for this Award: $647,062,870.00 CHANGES FOR LINE ITEM NUMBER: 3 Total Amount changed from $59,694,191.00 to $81,724,480.00 CHANGES FOR DELIVERY LOCATION: SSC Amount changed from $59,694,191.00 to $81,724,480.00 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

B.2.1 ESTIMATED COST AND INCENTIVE FEE (NFS 1852.216-84) (OCT. 1996)

PLEASE SEE SUMMARY TABLE BELOW FOR CONTRACT VALUE CHANGES

BASIC PERIOD (CLIN 2)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/07 – 08/27/08	(b)(4)	(b)(4)					$ 71,799,321
08/28/08 – 08/27/09							$ 84,087,858
08/28/09 – 08/27/10							$ 80,579,787
Total							$ 236,466,966
		Recovery Act Value (CLIN 10)					
08/28/09 – 08/27/10		(b)(4)					$2,394,151
		Recovery Act Value (CLIN 12)					
08/28/09 – 08/27/10		(b)(4)					$1,303,122
		Basic Period Total					
08/28/09 – 08/27/10		(b)(4)					$ 240,164,239

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee - Reimbursements

TARGET COST AND INCENTIVE FEE APPLICABLE TO EACH AWARD TERM PERIOD:

AWARD TERM PERIOD 1 (CLIN 3)

Period Covered	Target Cost	Target Cost Incentive Fee	Minimum Cost Fee	Maximum Cost Fee	Performance Incentive Fee	Reimbursements	Total
08/28/10 – 08/27/11	(b)(4)	(b)(4)					$ 81,724,480
		Recovery Act Value (CLIN 11*)					
08/28/10 – 08/27/11*		(b)(4)					$286,540
		Award Term Period Total					
08/28/10 – 08/27/11		(b)(4)					$82,011,020

Note: Total = Target Cost + Target Cost Incentive Fee + Performance Incentive Fee – Reimbursements
*CLIN 11 period of performance ends 01/31/2011

JACOBS, FOSC PCMP 0019 REVISION 1	CY4 CURRENT VALUE (THROUGH MOD 282)	PCMP 0019 ORIGINAL MOD INCREASE	CY4 NEW VALUE	PCMP 0019 REVISED MOD INCREASE	CY4 REVISED VALUE	MOD INCREASE DELTA
Prime Labor Dollars:						
Straight Time						
Overtime						
Overtime Premium						
* **Total Labor**						
Fringe						
* **Total Labor and Fringe**						
Overhead						
AOH						
CSSC						
* **Total Overhead**						
*** TOTAL LABOR, FRINGE, OVERHEAD**						
Subcontractor Costs						
CORE						
Straight Time						
Overtime						
Overtime Premium						
Total CORE Subcontract						
eLe						
Straight Time						
Overtime						
Overtime Premium						
Total eLe Subcontract						
SRC						
Straight Time						
Overtime						
Overtime Premium						
Total SRC Subcontract						
* **Total Team Subcontractors**						
Other Subcontracts/Services (Gov't Directed)						
*** TOTAL SUBCONTRACTS**						
NON LABOR RESOURCES (NLR)	(b)(4)	(b)(4)		(b)(4)		(b)(4)
Construction (Gov't direct)						
GSA Vehicle Lease (Gov't direct)						
Travel						
Training						
Replacement GFP > $5000						
Repair GFP > $5000						
Other Direct Costs						
* **Total Non Labor Resources**						
**** Subtotal - Labor, Fringe, Subcontracts, and**						
General and Administrative Costs						
**** Subtotal - Labor, Fringe, Subcontracts, and**						
Materials/Equipment						
Materials and Equipment (Gov't directed)						
Capital Asset Depreciation						
****Subtotal - Materials/ Equipment**						
General and Administrative Costs						
* **Total Materials/Equipment plus G&A**						
**** Total Mat/Equip, Labor, Fringe, Subcontracts, and NLR**						
Incentive Fee						
Provisional Fee						
Cost Incentive Provisional						
Performance Incentive Provisional						
Potential Additional Fee						
Cost Incentive						
Performance Incentive						
Reimbursements						
***** GRAND TOTAL**						

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 000291

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. 4200407832

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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.
X	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 _____ copies to the issuing office.

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

This administrative modification is a zero dollar adjustment (zero#202 PR# 4200407832) All other terms and conditions remain the same.

LIST OF CHANGES:
Total Amount for this Modification: $0.00
New Total Amount for this Version: $58,657,247.00
New Total Amount for this Award: $647,062,870.00
CHANGES FOR LINE ITEM NUMBER: 4

CHANGES FOR ACCOUNTING CODE:
64RA00/6100.2540/FC000000/821001.09.01.04/000/2540/64/CECX62011D/573Z
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 8-30-11

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED NNS07AB21C/000291	PAGE 2 OF 2

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64RA00/6100.2540/64/FC000000/821001.09.01.04/000/2540/64/CECX62011D/573Z/1/2 to 64RA00/6100.2540/FC000000/821001.09.01.04/000/2540/64/CECX62011D/573Z Amount changed from $178,961.00 to $111,161.00 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Amount: $67,800.00 FOB: Destination				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO.
000292

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: FAR 52.243-2 Changes- Cost Reimbursement -Alternate II (Apr 1984)
	D. OTHER *(Specify type of modification and authority)*

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

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

LIST OF CHANGES:

The purpose of this modification is to change the following:

1. Incorporate new Maintenance Task Sheet E-32, Traffic Controls and Traffic Lights (See attachment #2, which adds page 677a and replaces page 636(Attachment #1)).

2. Incorporate revised Data Requirement 1-PC08 (See attachment #3, this page replaces the current page 1000).

3. Contractor's Statement of Release: In consideration of the modification agreed to

Continued ...

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)*
FRANK J. Costanza Deputy General Manager

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED
9/7/2011

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
9/7/2011

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	herein of the changes noted in item 1 above, the Contractor hereby releases the government from any further liability under this contract for any equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein. 4. All other terms and conditions remain the same. Total Amount for this Modification: $0.00 New Total Amount for this Version: $0.00 New Total Amount for this Award: $647,062,870.00				

E-28	**Spare Transformer – B4400**
E-29	**GNB Battery Charger- B3407**
E-30	**Variable FrequencyDrives**
E-31	**Starters**
E-32	**Traffic Controls and Traffic Lights**

Emergency Electrical Lighting

E-14	**Sitewide Electrical Emergency Lighting**

Fire Protection & Detection System

E-20	**Fire Alarm Central Console**
E-21	**Radio Frequency Transceivers (FIRE)**
E-22	**Facility Fire Alarm Panels**
E-23	**Facility Security Systems**
E-24	**Sprinkler & Suppression Systems**
E-25	**Fire Hydrants & Post Indicator Valves**
E-26	**Fire Protection & Detection Systems-Suppression Sys**
E-27	**Fire Protection & Detection Systems-Chemical Sys**

Elevator Systems

EL-1	**Electric Traction**
EL-2	**Electric Hydraulic**
EL-3	**Dumbwaiter**

JOHN C. STENNIS SPACE CENTER
MAINTENANCE TASK SHEET #E-32

Traffic Controls and Traffic Lights

Task # 1
Frequency- Quarterly (13 weeks)

Step	Step Description
1	Visually inspect the timing for all zones. The timing shall be checked against the latest set of official timing.
2	Connect video monitor and check that all zones are operating correctly.

Task # 2
Frequency - Annually (52 weeks)

Step	Step Description
1	Check cabinet interior for cleanliness. Any dirt and debris shall be cleaned from the cabinet. Check for the intrusion of any bugs or vermin. Check all conduits penetrating the cabinet. Replace the duct seals as necessary. Check the sealing between the cabinet and the concrete. Reseal if necessary with silicone sealant.
2	Check the control cabinet air filter. Replace as necessary.
3	Check the interior cabinet lamp. Replace as necessary.
4	Check the thermostat controlled fan. Verify the thermostat is set to between 85-90 degrees Fahrenheit.
5	Check all wire connections for tightness in following locations. - Power Panel - Connections to ground Bus - Detector Panel
6	Visually inspect the cabinet surge suppression.
7	Check the incoming voltage to the cabinet.
8	Check the flash switch. Verify the flash rate is 50-60 flashes per minute.
9	Visually inspect the timing for all zones. The timing shall be checked against the latest set of official timing.
10	Connect video monitor and check all zones are operating correctly.
11	Check the controller's backup battery. Replace as necessary.
12	Check the conflict monitor
13	Visually inspect all traffic lights are operating.

National Aeronautics and Space Administration
John C. Stennis Space Center

DATA REQUIREMENT (DR)

Data Procurement Document
1. Number Issue

2. Title:	3. Operator:	4. DR Number Page Date Rev.
Metrics, Purchasing and Subcontracting	DA20	1-PC08, 1 of 1

SUBMITTAL REQUIREMENTS

5. Type: 3

6. Frequency of Submission:
QU- Use of Consolidated Contracts
QU- Acquisition Activity

7. Distribution:
DA20 (Original)
DA20 (1 Copy)

8. Initial Submission:
QU- 7 days following close of each quarter from commencement of contract.

9. As of Date:
N/A

10. Remarks:
Original and 1 copy to be submitted to DA20 (Contracting Officer).

DATA REQUIREMENT DESCRIPTION (DRD)

11. Standard DRD Title:	12. Standard DRD Number Rev. Page Date
Metrics, Purchasing and Subcontracting	1-PC08

13. Use:	14. Interrelationship:	15. Reference:
To be used by NASA to track the progress of using Consolidated Contracts on a center-wide or government-wide basis. To provide the Government with workload indicators on an annual basis.	Annex 1.5.4.2	

16. Preparation Information:

16.1 SCOPE: (1) The Contractor will be required to report statistics regarding purchase orders, subcontracts and modifications including those placed against any NASA contracts or other General Services Administration (GSA) orders, orders, Science and Engineering Workstation Procurements at Goddard Space Flight Center, etc. (2) The Contractor Contractor will be required to report cumulative acquisition activity.

16.2 APPLICABLE DOCUMENTS: None

16.3 CONTENTS: (1) A listing of all orders and modifications to include those placed against NASA Center-Wide Wide Contracts or government-wide contracts with associated dollar amounts. Identify specific contractor, number number and location. (2) The Contractor shall furnish to the Contracting Officer the following information for each quarter:

A. Total number of acquisitions.
B. Total amount of dollars spent in acquisitions.
C. Total amount of acquisitions placed in each Level identified in Annex 1.5.
D. Total amount of dollars placed in each Level identified in Annex 1.5.
E. Average number of days orders placed for each Level identified in Annex 1.5.

16.4 FORMAT: Format shall be at the discretion of the Contractor.

16.5 MAINTENANCE: N/A

16.6 EXCEPTIONS/ADDITIONS TO THIS STANDARD: None

SSC-166 (10/96) (Ms Word 6.0) C.G. (10/96) pc

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 / 18

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
000293	See Block 16C	See Schedule	

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY (If other than Item 6) CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED (SEE ITEM 13) 07/14/2007

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) Net Increase: $3,867.74
See Schedule

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. 1. This is an incremental funding action to include a zero and deob action (PR# 4200406982, zero #213 & deob #224).

2. See continuation pages 17-18.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
Total Amount for this Modification: $0.00
Continued ...

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)	
		ADRIANNE PEYTON	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED 9-8-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Amount for this Version: $376,848,693.00 New Total Amount for this Award: $647,062,870.00 Obligated Amount for this Modification: $3,867.74 New Total Obligated Amount for this Award: $352,045,660.31 Incremental Funded Amount changed: from (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: $26,862.81 Incremental Funded Amount changed from (b)(4) CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8703.10/000/2540/64/CASX22010R/CASP Amount changed from $37,300.45 to $35,368.28 Percent changed from .01577 to .01496 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/432938.09.01.09.25/000/2540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/432938.09.01.09.25/000/2540/64/CASX12011D/361N/2/3 to 64RA00/6100.2540/FC000000/432938.09.01.09.25/000/2540/64/CASX12011D/361N Amount changed from $5,000.00 to $4,532.73 Percent changed from .00212 to .00192 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/432938.09.01.09.23/000/2540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/432938.09.01.09.23/000/2540/64/CASX12011D/361N/1/2 to 64RA00/6100.2540/FC000000/432938.09.01.09.23/000/2540/64/CASX12011D/361N Amount changed from $2,000.00 to $832.68 Percent changed from .00085 to .00035 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8449.09/000/2540/64/CASX22009R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8449.09/000/2540/64/CASX22009R/CASP/8/9 to 64BA22/6100.2540/FC000000/329527.01.09.8449.09/000/2540/64/CASX22009R/CASP Amount changed from $30,000.00 to $29,999.66 Percent changed from .01604 to .01269 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8754.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8754.10/ 000/2540/64/CASX22010R/CASP/8/9 to 64BA22/6100.2540/FC000000/329527.01.09.8754.10/000 /2540/64/CASX22010R/CASP Amount changed from $471.41 to $262.13 Percent changed from .00022 to .00011 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8755.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8755.10/ 000/2540/64/CASX22010R/CASP/27/29 to 64BA22/6100.2540/FC000000/329527.01.09.8755.10/000 /2540/64/CASX22010R/CASP Amount changed from $2,185.75 to $17.04 Percent changed from .00102 to .00001 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8760.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8760.10/ 000/2540/64/CASX22010R/CASP/28/30 to 64BA22/6100.2540/FC000000/329527.01.09.8760.10/000 /2540/64/CASX22010R/CASP Amount changed from $12,791.76 to $12,757.53 Percent changed from .00595 to .0054 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A030.11/ 000/2540/64/CASX12011R/CASP/1/51 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,988.86 Percent: .0038 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/199008.02.09.9098.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .01057 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.05.15.05.0/ 9.01/000/2540/64/EXPX22010D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,862.81 Percent: .00079 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8836.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8836.10/ 000/2540/64/CASX22010R/CASP/28/29 to 64BA22/6100.2540/FC000000/329527.01.09.8836.10/000 /2540/64/CASX22010R/CASP Amount changed from $5,000.00 to $4,953.18 Percent changed from .00233 to .00209 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8839.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8839.10/ 000/2540/64/CASX22010R/CASP/30/31 to 64BA22/6100.2540/FC000000/329527.01.09.8839.10/000 /2540/64/CASX22010R/CASP Amount changed from $5,000.00 to $4,921.59 Percent changed from .00233 to .00208 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.8229.01/000 /2540/64/EXCX22008R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.8229.01/ Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/EXCX22008R/SOMD/24/25 to 64BA22/6100.2540/FC000000/892182.01.09.8229.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $25,000.00 to $24,982.24 Percent changed from .01386 to .01056 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.7056.01/000 /2540/64/EXCX22007R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.7056.01/ 000/2540/64/EXCX22007R/SOMD/70/73 to 64BA22/6100.2540/FC000000/892182.01.09.7056.01/000 /2540/64/EXCX22007R/SOMD Amount changed from $26,999.99 to $26,812.49 Percent changed from .01497 to .01134 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.8167.01/000 /2540/64/EXCX22008R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.8167.01/ 000/2540/64/EXCX22008R/SOMD/34/35 to 64BA22/6100.2540/FC000000/892182.01.09.8167.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $15,492.46 to $14,948.42 Percent changed from .00859 to .00632 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8639.10/000 /2540/64/CASX22010R/CASP Amount changed from $13,477.42 to $13,422.10 Percent changed from .0057 to .00568 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.8237.01/000 /2540/64/EXCX22008R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.8237.01/ 000/2540/64/EXCX22008R/SOMD/23/24 to 64BA22/6100.2540/FC000000/892182.01.09.8237.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $20,000.00 to $19,211.39 Percent changed from .01069 to .00812 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.8238.01/000 /2540/64/EXCX22008R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.8238.01/ Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/EXCX22008R/SOMD/24/25 to 64BA22/6100.2540/FC000000/892182.01.09.8238.01/000 /2540/64/EXCX22008R/SOMD Amount changed from $19,600.00 to $19,490.01 Percent changed from .01048 to .00824 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.NJJ3.01/000 /2540/64/EXCX22007R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.NJJ3.01/ 000/2540/64/EXCX22007R/SOMD/41/43 to 64BA22/6100.2540/FC000000/892182.01.09.NJJ3.01/000 /2540/64/EXCX22007R/SOMD Amount changed from $32,111.86 to $31,324.18 Percent changed from .0178 to .01325 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/892182.01.09.7080.01/000 /2540/64/EXCX22007R/SOMD Account code changed from 64BA22/6100.2540/64/FC000000/892182.01.09.7080.01/ 000/2540/64/EXCX22007R/SOMD/44/46 to 64BA22/6100.2540/FC000000/892182.01.09.7080.01/000 /2540/64/EXCX22007R/SOMD Amount changed from $5,000.00 to $4,606.59 Percent changed from .00277 to .00195 CHANGES FOR LINE ITEM NUMBER: 3 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8670.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8670.10/ 000/2540/64/CASX22010R/CASP/24/25 to 64BA22/6100.2540/FC000000/329527.01.09.8670.10/000 /2540/64/CASX22010R/CASP Amount changed from $94,000.00 to $93,606.51 Percent changed from .16944 to .11454 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8754.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8754.10/ 000/2540/64/CASX22010R/CASP/2/3 to 64BA22/6100.2540/FC000000/329527.01.09.8754.10/000 /2540/64/CASX22010R/CASP Amount changed from $2.76 to $.01 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8762.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8762.10/ 000/2540/64/CASX22010R/CASP/1/2 to 64BA22/6100.2540/FC000000/329527.01.09.8762.10/000 /2540/64/CASX22010R/CASP Amount changed from $31,641.06 to $27,556.94 Percent changed from .05633 to .03372 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8767.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8767.10/ 000/2540/64/CASX22010R/CASP/7/8 to 64BA22/6100.2540/FC000000/329527.01.09.8767.10/000 /2540/64/CASX22010R/CASP Amount changed from $11,000.00 to $10,894.00 Percent changed from .01958 to .01333 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8825.10/000 /2540/64/CASX22010R/CASP Amount changed from $8,096.52 to $7,736.82 Percent changed from .01356 to .00947 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8762.10/000 /2540/64/CASX22010R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8762.10/ 000/2540/64/CASX22010R/CASP/35/36 to 64BA22/6100.2540/FC000000/329527.01.09.8762.10/000 /2540/64/CASX22010R/CASP Amount changed from $3,358.94 to $.01 Percent changed from .00598 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8464.09/000 /2540/64/CASX22009R/CASP Percent changed from .12929 to .09444 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A030.11/ 000/2540/64/CASX12011R/CASP/1/92 Cost Center 64BA22 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,365.25 Percent: .00289 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/FC000000/329527.01.09.A034.11/000 /2540/64/CASX12011R/CASP Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,939.74 Percent: .00727 Subject To Funding: N Payment Address: CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: -$22,995.07 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/432938.09.01.09.23/000/2 540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/432938.09.01.09.23/00 0/2540/64/CASX12011D/361N/3/4 to 64RA00/6100.2540/FC000000/432938.09.01.09.23/000/2 540/64/CASX12011D/361N Amount changed from $833.00 to $.01 Percent changed from .0016 to 0 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/432938.09.01.09.22/000/2 540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/432938.09.01.09.22/00 0/2540/64/CASX12011D/361N/3/4 to 64RA00/6100.2540/FC000000/432938.09.01.09.22/000/2 540/64/CASX12011D/361N Amount changed from $4.00 to $3.67 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/432938.09.01.09.22/000/2 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/432938.09.01.09.22/00 0/2540/64/CASX12011D/361N/3/10 to 64RA00/6100.2540/FC000000/432938.09.01.09.22/000/2 540/64/CASX12011D/361N Amount changed from $156.00 to $.01 Percent changed from .0003 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8975.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8975.11/ 000/2540/64/CASX12011R/CASP/22/23 to 64BA22/6100.2540/FC000000/329527.01.09.8975.11/000 /2540/64/CASX12011R/CASP Amount changed from $40,000.00 to $20,000.00 Percent changed from .07871 to .0341 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.02.04.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.02.04.09/000/2 540/64/CASX12011D/361N/5/6 to 64RA00/6100.2540/FC000000/736466.02.04.09/000/2540 /64/CASX12011D/361N Amount changed from $1,200.00 to $1,196.20 Percent changed from .00205 to .00204 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.04.02.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/7/8 to 64RA00/6100.2540/FC000000/736466.04.02.09/000/2540 /64/CASX12011D/361N Amount changed from $25.00 to $23.42 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.07.01.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/14/15 to 64RA00/6100.2540/FC000000/736466.07.01.09/000/2540 /64/CASX12011D/361N Amount changed from $69,000.00 to $68,021.05 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent changed from .11763 to .11596 NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/269027.04.09/000/2540 /64/SCEX22011D/515A/2/3 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $284.60 Percent: .00049 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.33/00 0/2540/64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,925.00 Percent: .03056 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.34/00 0/2540/64/EXCX22011D/734A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,760.00 Percent: .01152 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.36/00 0/2540/64/EXCX22011D/734A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,500.00 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .02131 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9064.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $250,000.00 Percent: .4262 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 4/000/2540/64/EXCX22011D/734A/8/9 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $35,000.00 Percent: .05967 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22010D/734A/9/10 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $99.59 Percent: .00017 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9033.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $45.06 Percent: .00008 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/718373.04.09/000/2540 /64/EXCX22011D/338I/12/13 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $59,000.00 Percent: .10058 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/13/14 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $233,000.00 Percent: .39722 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/14/15 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $93,394.05 Percent: .15922 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A030.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $23,645.89 Percent: .04031 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/956635.09.06.07.05.2/ 7/000/2540/64-956635/EXCX02006D/538A/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $62,000.00 Percent: .1057 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.07.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2 540/64/CASX12011D/361N/12/13 to 64RA00/6100.2540/FC000000/736466.06.07.09/000/2540 /64/CASX12011D/361N Amount changed from $80,250.00 to $70,250.00 Percent changed from .15791 to .11976 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8818.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8818.11/ 000/2540/64/CASX12011R/CASP/9/10 to 64BA22/6100.2540/FC000000/329527.01.09.8818.11/000 /2540/64/CASX12011R/CASP Amount changed from $10,000.00 to $4,719.52 Percent changed from .01968 to .00805 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.02.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/10/11 to 64RA00/6100.2540/FC000000/736466.06.02.09/000/2540 Continued ...				

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	/64/CASX12011D/361N Amount changed from $342,000.00 to $322,000.00 Percent changed from .631 to .54895 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.03.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/11/12 to 64RA00/6100.2540/FC000000/736466.06.03.09/000/2540 /64/CASX12011D/361N Amount changed from $93,000.00 to $33,000.00 Percent changed from .17159 to .05626 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.04.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/12/13 to 64RA00/6100.2540/FC000000/736466.06.04.09/000/2540 /64/CASX12011D/361N Amount changed from $268,000.00 to $248,000.00 Percent changed from .49447 to .4228 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.06.09.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/14/15 to 64RA00/6100.2540/FC000000/736466.06.09.09/000/2540 /64/CASX12011D/361N Amount changed from $72,000.00 to $62,000.00 Percent changed from .13284 to .1057 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/432938.08.01.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/21/22 to 64RA00/6100.2540/FC000000/432938.08.01.09/000/2540 /64/CASX12011D/361N Amount changed from $45,651.00 to $2,908.00 Percent changed from .08423 to .00496 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/432938.10.02.09/000/2540 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/432938.10.02.09/000/2 540/64/CASX12011D/361N/22/23 to 64RA00/6100.2540/FC000000/432938.10.02.09/000/2540 /64/CASX12011D/361N Amount changed from $60,819.00 to $60,730.96 Percent changed from .11221 to .10354 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.98.08.01.09/000/2 540/64/EXPX02009D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.98.08.01.09/00 0/2540/64/EXPX02009D/234A/10/11 to 64PA00/6100.2540/FC000000/136905.98.08.01.09/000/2 540/64/EXPX02009D/234A Amount changed from $26,483.00 to $.01 Percent changed from .04515 to 0 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.01.08.09.02/000/2 540/64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/2/3 to 64RA00/6100.2540/FC000000/736466.01.08.09.02/000/2 540/64/CASX12011D/361N Amount changed from $526,000.00 to $126,000.00 Percent changed from .89673 to .21481 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.03.01.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/7/8 to 64RA00/6100.2540/FC000000/736466.03.01.09/000/2540 /64/CASX12011D/361N Amount changed from $298,000.00 to $98,000.00 Percent changed from .50804 to .16707 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.07.06.09/000/2540 /64/CASX12011D/361N Account code changed from 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 540/64/CASX12011D/361N/16/17 to 64RA00/6100.2540/FC000000/736466.07.06.09/000/2540 /64/CASX12011D/361N Continued ...				

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JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $56,000.00 to $55,918.89 Percent changed from .09547 to .09533 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:

2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through November 26, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIODS 1-2			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 1-2 is revised as follows:

BASE PERIOD + AWARD TERM PERIODS 1-2 UNFUNDED		
PREVIOUS	**MODIFICATION**	**NEW**
$7,110,424.43	**$3,867.74**	$ 29,136,845.69

*CY4 adjustment made on mod 290 changed the previous unfunded amount to $29,140,713.43

4. Accounting and Appropriation Data:

PR #	Amount
4200406982	$ 26,862.81

Deob #	Amount
224	$ (22,995.07)

Zero #	Amount
213	$ 0

See Funding Data, Pages 1-16.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 13

2. AMENDMENT/MODIFICATION NO.
000294

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule Net Increase: $1,869,877.98

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action to include incremental funding and a zero (PR# 4200409472, PR# 4200409202, PR# 4200409259 and zero #226).

2. See continuation pages 12-13.

3. All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
9-13-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Obligated Amount for this Modification: $1,869,877.98 New Total Obligated Amount for this Award: $353,915,538.29 Incremental Funded Amount changed: from (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8937.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8937.11/ 000/2540/64/CASX12011R/CASP/10/11 to 64BA22/6100.2540/FC000000/329527.01.09.8937.11/000 /2540/64/CASX12011R/CASP Amount changed from $10,000.00 to $5,094.21 Percent changed from .00424 to .00215 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8914.11/ 000/2540/64/CASX12011R/CASP/1/84 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,905.79 Percent: .00207 CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: $1,797,781.80 Incremental Funded Amount changed from (b)(4) CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/804911.02.09.8601.10/000 /2540/64/CASX22010R/CASP Amount changed from $31,687.19 to $22,885.12 Percent changed from .05308 to .028 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/ 000/2540/64/CASX12011R/CASP/1/43 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $8,802.07 Percent: .01077 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $16,100.00 Percent: .0197 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/432938.10.02.09/000/2 540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $41,000.00 Percent: .05017 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.03.09/000/2 540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $311.00 Percent: .00038 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.04.09/000/2 540/64/CASX12011D/361N/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $122,900.00 Percent: .15038 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.06.09/000/2 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	540/64/CASX12011D/361N/5/6 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1.00 Percent: 0 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.09.09/000/2 540/64/CASX12011D/361N/6/7 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $168,500.00 Percent: .20618 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.10.09/000/2 540/64/CASX12011D/361N/7/8 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $293,105.00 Percent: .35865 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.02.04.09/000/2 540/64/CASX12011D/361N/8/9 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $230.00 Percent: .00028 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.03.01.09/000/2 540/64/CASX12011D/361N/9/10 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $46,300.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .05665 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.01.09/000/2 540/64/CASX12011D/361N/10/11 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $171,000.00 Percent: .20924 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.04.02.09/000/2 540/64/CASX12011D/361N/11/12 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $19,400.00 Percent: .02374 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/12/13 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $28,240.00 Percent: .03456 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.02.09/000/2 540/64/CASX12011D/361N/13/14 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $74,500.00 Percent: .09116 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09/000/2 540/64/CASX12011D/361N/14/15 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $326,300.00 Percent: .39927 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.03.09.01/00 0/2540/64/CASX12011D/361N/15/16 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $126,300.00 Percent: .15454 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 540/64/CASX12011D/361N/16/17 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $219.80 Percent: .00027 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.06.09/000/2 540/64/CASX12011D/361N/17/18 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,900.00 Percent: .00477 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.06.09.01/00 0/2540/64/CASX12011D/361N/18/19 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $3,575.00 Percent: .00437 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.07.09/000/2 540/64/CASX12011D/361N/19/20 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $49,500.00 Percent: .06057 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.09.09/000/2 540/64/CASX12011D/361N/20/21 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $22,000.00 Percent: .02692 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.01.09/000/2 540/64/CASX12011D/361N/21/22 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $93,300.00 Percent: .11416 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.04.09/000/2 540/64/CASX12011D/361N/22/23 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $99,300.00 Percent: .12151 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.07.06.09/000/2 Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	540/64/CASX12011D/361N/23/24 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $91,800.00 Percent: .11233 CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: $72,096.18 Incremental Funded Amount changed from [redacted] (b)(4) CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.61/000/2540/64/EXPX22011D/234A Account code changed from 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.61/000/2540/64/EXPX22011D/234A/1/2 to 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.61/000/2540/64/EXPX22011D/234A Amount changed from $1,800,000.00 to $1,426,785.33 Percent changed from 3.06867 to 2.43241 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/821001.09.01.04/000/2540/64/CECX62011D/573Z Amount changed from $111,161.00 to $100,861.00 Percent changed from .18951 to .17195 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/736466.07.09.09/000/2540/64/CASX12011D/361N/2/3 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,580.94 Percent: .0027 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/736466.07.01.09/000/2540/64/CASX12011D/361N/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $7,221.13 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .01231 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/736466.03.01.09/000/2540/64/CASX12011D/361N/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,300.00 Percent: .01756 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/000/2540/64/CASX12011R/CASP/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .08524 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.27/000/2540/64/EXPX22011D/234A/5/6 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $270,000.00 Percent: .4603 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/128636.01.09/000/2540/64/CASX12011D/714A/6/7 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01705 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/833011.02.09.8997.11/000/2540/64/CASX12011R/CASP/7/8 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $34,412.60 Percent: .05867 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/736466.07.09.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,612.06 Percent: .03514 NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/398217.04.01.09/000/2 540/64/EDUX22010D/833A/2/3 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1.13 Percent: 0 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.01.11.01.64/00 0/2540/64/EXPX02009D/234A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,482.99 Percent: .04515 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/439432.07.01.15.05.0/ 1/000/2540/64/EXCX22011D/761A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00341 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/389018.02.15.02.07.0/8/000/2540/64/SCEX22011D/389A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .0341 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.27/000/2540/64/EXPX22011D/234A/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00511 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:

2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Total Fee			
Total Sum Allotted			

(b)(4)

1a. The funding increment is estimated to cover performance through December 4, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIODS 1-2			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

(b)(4)

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	[redacted]		
Provisional Incentive Fee			
Cost			
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

(b)(4)

3. The total amount remaining unfunded under the base period + award term period 1-2 is revised as follows:

BASE PERIOD + AWARD TERM PERIODS 1-2 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 29,136,845.69	$ 1,869,877.98	$ 27,266,967.71

*CY4 adjustment made on mod 290 changed the previous unfunded amount to $29,140,713.43

4. Accounting and Appropriation Data:

PR #	Amount
4200409259	$ 25,000.00
4200409202	$1,797,781.80
4200409472	$ 47,096.18

Zero #	Amount
226	$ 0

See Funding Data, Pages 1-11.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE OF PAGES	1 / 18
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000295	See Block 16C	See Schedule	

6. ISSUED BY — CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* — CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 — FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule — Net Increase: $1,454,878.92

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action to include incremental funding and a zero (PR# 4200409789 and zero #234).

2. See continuation pages 17-18.

3. All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Continued ...

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)*	
		ADRIANNE PEYTON	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	16C. DATE SIGNED 9-16-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Total Amount for this Modification: $0.00 New Total Amount for this Version: $377,198,693.00 New Total Amount for this Award: $647,062,870.00 Obligated Amount for this Modification: $1,454,878.92 New Total Obligated Amount for this Award: $355,370,417.21 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/136905.98.05.02.09/000/2540/64/EXPX02009D/234A Account code changed from 64RA10/6100.2540/64/FC000000/136905.98.05.02.09/000/2540/64/EXPX02009D/234A/2/3 to 64RA10/6100.2540/FC000000/136905.98.05.02.09/000/2540/64/EXPX02009D/234A Amount changed from $37,500.00 to $16,585.26 Percent changed from .01591 to .00701 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/196325.02.01/000/2540/64-196325/ESAX02006D/389A Amount changed from $104,080.25 to $100,576.69 Percent changed from .04401 to .04253 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/956635.09.06.07.05.1/5/000/2540/64-956635/EXCX02006D/538A Account code changed from 64RA10/6100.2540/64/FC000000/956635.09.06.07.05.1/5/000/2540/64-956635/EXCX02006D/538A/7/8 to 64RA10/6100.2540/FC000000/956635.09.06.07.05.1/5/000/2540/64-956635/EXCX02006D/538A Amount changed from $9,876.51 to $.01 Percent changed from .00419 to 0 CHANGES FOR ACCOUNTING CODE: 64RA10/6100.2540/FC000000/269915.09.01.01/000/2540/64/CECX62010D/769Z Amount changed from $12,207.69 to $.01 Percent changed from .00516 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.01/000/2540/64/CECX62011D/573Z/2/3 Cost Center 64RA00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $140.00 Percent: .00006 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.03/000/2540/64/CECX62011D/573Z/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,000.00 Percent: .00169 NEW ACCOUNTING CODE ADDED: Account code: 64BA21/6100.2540/64/FC000000/424606.01.17.08.02/000/2540/64/EXCX22011D/733B/1/2 Cost Center 64BA21 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .01692 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.06/000/2540/64/CECX62011D/573Z/4/5 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,362.48 Percent: .001 CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: $1,454,878.92 Incremental Funded Amount changed from $56,243,029.28 to $57,697,908.20 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A026.11/000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $579.44 Percent: .00071 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A031.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,194.27 Percent: .01247 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A032.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00245 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A025.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,000.00 Percent: .00367 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A033.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $600.00 Percent: .00073 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A034.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,685.46 Percent: .01063 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8962.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200.00 Percent: .00024 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9052.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,400.00 Percent: .00416 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9088.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,750.00 Percent: .00826 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9099.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Order FC000000 Quantity: 0 Amount: $43,000.00 Percent: .05262 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9102.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $75,000.00 Percent: .09177 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9103.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $75,000.00 Percent: .09177 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9104.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $490,000.00 Percent: .59958 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9105.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .12236 NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9106.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .04894 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9107.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .04894 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9108.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $43,000.00 Percent: .05262 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9109.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .03059 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8938.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Quantity: 0 Amount: $3,000.00 Percent: .00367 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8967.11/ 000/2540/64/CASX12011R/CASP/20/21 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,000.00 Percent: .03059 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8969.11/ 000/2540/64/CASX12011R/CASP/21/22 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,000.00 Percent: .01835 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8970.11/ 000/2540/64/CASX12011R/CASP/22/23 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .02447 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9055.11/ 000/2540/64/CASX12011R/CASP/23/24 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00612 NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.9096.11/ 000/2540/64/CASX12011R/CASP/24/25 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $25,500.00 Percent: .0312 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8901.11/ 000/2540/64/CASX12011R/CASP/25/26 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $230.00 Percent: .00028 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8966.11/ 000/2540/64/CASX12011R/CASP/26/27 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01224 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9057.11/ 000/2540/64/CASX12011R/CASP/27/28 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,000.00 Percent: .00979 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8935.11/ 000/2540/64/CASX12011R/CASP/28/29 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $7,000.00 Percent: .00857 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8960.11/ 000/2540/64/CASX12011R/CASP/29/30 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .02447 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9077.11/ 000/2540/64/CASX12011R/CASP/30/31 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,243.96 Percent: .00152 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9079.11/ 000/2540/64/CASX12011R/CASP/31/32 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $903.25 Percent: .00111 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A002.11/ 000/2540/64/CASX12011R/CASP/32/33 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,280.00 Percent: .01013 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A035.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/33/34 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00245 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A036.11/ 000/2540/64/CASX12011R/CASP/34/35 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,000.00 Percent: .00245 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8896.11/ 000/2540/64/CASX12011R/CASP/35/36 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $60,000.00 Percent: .07342 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8975.11/ 000/2540/64/CASX12011R/CASP/36/37 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .02447 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8944.11/ 000/2540/64/CASX12011R/CASP/37/38 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,292.54 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00403 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8905.11/ 000/2540/64/CASX12011R/CASP/38/39 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $31,000.00 Percent: .03793 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9003.11/ 000/2540/64/CASX12011R/CASP/39/40 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,000.00 Percent: .00489 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9004.11/ 000/2540/64/CASX12011R/CASP/40/41 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,020.00 Percent: .03184 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9023.11/ 000/2540/64/CASX12011R/CASP/41/42 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $26,000.00 Percent: .03181 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9095.11/ 000/2540/64/CASX12011R/CASP/42/43 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01224 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9111.11/ 000/2540/64/CASX12011R/CASP/43/44 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $90,000.00 Percent: .11013 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9112.11/ 000/2540/64/CASX12011R/CASP/44/45 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .04894 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9113.11/ 000/2540/64/CASX12011R/CASP/45/46 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00612 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9114.11/ 000/2540/64/CASX12011R/CASP/46/47 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01224 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9115.11/ 000/2540/64/CASX12011R/CASP/47/48 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01224 NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/821001.09.01.06/000/2 540/64/CECX62011D/573Z/1/43 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $937.52 Percent: .00115 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.03.09/000/2540 /64/EXCX22011D/734A/2/44 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $202,000.00 Percent: .24717 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.01.09.02.0/ 3/000/2540/64/EXCX22011D/734A/3/45 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,000.00 Percent: .01468 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.9016.11/ 000/2540/64/CASX12011R/CASP/4/46 Cost Center 64RA50 Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $224.21 Percent: .00027 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.9100.11/ 000/2540/64/CASX12011R/CASP/5/47 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,690.53 Percent: .02532 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.9100.11/ 000/2540/64/CASX12011R/CASP/5/48 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,925.21 Percent: .01337 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/6/49 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $367.96 Percent: .00045 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.98.04.02.09/000/2 540/64/EXPX02009D/234A Amount changed from $576,028.25 to $328,882.82 Percent changed from 1.04827 to .40243 CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64RA00/6100.2540/FC000000/736466.05.01.09/000/2540 /64/CASX12011D/361N Continued ...				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code changed from 64RA00/6100.2540/64/FC000000/736466.05.01.09/000/2 540/64/CASX12011D/361N/9/10 to 64RA00/6100.2540/FC000000/736466.05.01.09/000/2540 /64/CASX12011D/361N Amount changed from $14,327.00 to $6,887.00 Percent changed from .02819 to .01174 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 1/000/2540/64/EXPX22011D/234A Amount changed from $1,426,785.33 to $1,212,785.33 Percent changed from 2.43241 to 2.06758 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/1/84 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $221,440.00 Percent: .37752 CHANGES FOR LINE ITEM NUMBER: 1 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:

2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost			
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through December 10, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIODS 1-2			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 1-2 is revised as follows:

BASE PERIOD + AWARD TERM PERIODS 1-2 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 27,266,967.71	$1,454,878.92	$ 25,812,088.79

*CY4 adjustment made on mod 290 changed the previous unfunded amount to $29,140,713.43

4. Accounting and Appropriation Data:

PR #	Amount
4200409789	$1,454,878.92

Zero #	Amount
234	$ 0

See Funding Data, Pages 1-16.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 / 11

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000296	See Block 16C	See Schedule	

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)* Net Increase: $715,213.52
See Schedule

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200409790, 4200409786, 4200409785, 4200409835, 4200408951).

2. See continuation pages 10-11.

3. All other terms and conditions remain the same.

LIST OF CHANGES:
Reason for Modification : Funding Only Action
Continued ...

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)*	
		ADRIANNE PEYTON	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	16C. DATE SIGNED 9-14-11

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Total Amount for this Modification: $0.00 New Total Amount for this Version: $81,724,480.00 New Total Amount for this Award: $647,062,870.00 Obligated Amount for this Modification: $715,213.52 New Total Obligated Amount for this Award: $356,085,630.73 Incremental Funded Amount changed: from [redacted] (b)(4) CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: $715,213.52 Incremental Funded Amount changed from [redacted] (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8891.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $27,263.81 Percent: .03336 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.8802.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,175.88 Percent: .01123 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.8805.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,043.63 Percent: .01229 NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	64BA22/6100.2540/64/FC000000/329527.01.09.9092.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $124,109.00 Percent: .15186 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8926.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $30,000.00 Percent: .03671 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9018.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .06118 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8790.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,999.99 Percent: .01101 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9039.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $39,999.99 Percent: .04894 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9097.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,665.02 Percent: .00571 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8930.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $16,500.00 Percent: .02019 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8924.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,000.00 Percent: .00979 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8992.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,912.00 Percent: .00601 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8737.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $16,311.04 Percent: .01996 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8914.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $649.21 Percent: .00079 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8915.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $28,964.00 Percent: .03544 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8994.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $638.00 Percent: .00078 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9000.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,642.00 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: .00323 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9025.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,670.14 Percent: .00204 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A010.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $83.00 Percent: .0001 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A011.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,403.00 Percent: .01028 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/715238.09.01.A012.11/ 000/2540/64/EULX01122L/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,585.00 Percent: .00561 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8820.11/ 000/2540/64/CASX12011R/CASP/15/16 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $41,000.00 Percent: .05017 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8989.11/ 000/2540/64/CASX12011R/CASP/16/17 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $6,000.00 Percent: .00734 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8917.11/ 000/2540/64/CASX12011R/CASP/17/18 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,762.36 Percent: .00583 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8890.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $98.68 Percent: .00012 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8892.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $160,222.00 Percent: .19605 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8860.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,560.72 Percent: .01292 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9042.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .06118 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8918.11/ 000/2540/64/CASX12011R/CASP/18/19 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01224 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8906.11/ 000/2540/64/CASX12011R/CASP/19/20 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .02447 NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/384161.09.09.12/000/2 540/64/WCNX04546R/664A/1/2 Cost Center 64RA10 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $14,955.05 Percent: .0183 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:

2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through December 14, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIODS 1-2			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 1-2 is revised as follows:

BASE PERIOD + AWARD TERM PERIODS 1-2 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 25,812,088.79	$715,213.52	$ 25,096,875.27

*CY4 adjustment made on mod 290 changed the previous unfunded amount to $29,140,713.43

4. Accounting and Appropriation Data:

PR #	Amount
4200408951	$ 14,955.05
4200409786	$ 19,219.51
4200409835	$179,784.77
4200409790	$248,145.21
4200409785	$253,108.98

See Funding Data, Pages 1-9.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE		PAGE OF PAGES	1 / 2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000297	See Block 16C		

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule

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

CHECK ONE	
	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: 52.243-2 Changes-Cost Reimbursement-Alternate II (Aug 1987)
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

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

The purpose of this modification is to incorporate PCMP# 0020 (Revised Small Business Subcontracting Plan for CY4 & 5).

1. Attachment J-6, pages 1213-1248 of 1478 are hereby modified to reflect the changes of the revised plan. Pages 1213-1248 of 1478 are hereby removed and the attached revised pages 1213-1248 of 1478 are substituted in place thereof.

2. Contractor's Statement of Release: In consideration of the modification agreed to herein of the changes noted in item 1 above, the Contractor hereby releases the government from any further liability under this contract for any equitable adjustment attributable to such facts or circumstances giving rise to the contract changes set forth herein.

Continued ...

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)*	
Daniel Pierre, GM & VP		ADRIANNE PEYTON	
15B. CONTRACTOR/OFFEROR Daniel Pierre *(Signature of person authorized to sign)*	15C. DATE SIGNED 9/20/11	16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	16C. DATE SIGNED 9/20/2011

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	3. All other terms and conditions remain the same.				

Revised Attachment J-6

Small Business Subcontracting Plan

Not releasable under Exemption 4

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 6

2. AMENDMENT/MODIFICATION NO. 000298

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)* See Schedule Net Increase: $113,980.05

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200410326).

2. See continuation pages 5-6.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
New Total Obligated Amount for this Award: $356,199,610.78
Continued ...

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)* ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*

16C. DATE SIGNED 9-20-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: $113,980.05 CHANGES FOR ACCOUNTING CODE: 64RA50/6100.2540/FC000000/921179.01.09.9100.11/000 /2540/64/CASX12011R/CASP Account code changed from 64RA50/6100.2540/64/FC000000/921179.01.09.9100.11/ 000/2540/64/CASX12011R/CASP/5/48 to 64RA50/6100.2540/FC000000/921179.01.09.9100.11/000 /2540/64/CASX12011R/CASP Amount changed from $10,925.21 to $0.00 Percent changed from .01337 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.9100.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $9,214.21 Percent: .01127 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A007.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,711.00 Percent: .00699 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.A035.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.A035.11/ 000/2540/64/CASX12011R/CASP/33/34 to 64BA22/6100.2540/FC000000/329527.01.09.A035.11/000 /2540/64/CASX12011R/CASP Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount changed from $2,000.00 to $0.00 Percent changed from .00245 to 0 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.A036.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.A036.11/ 000/2540/64/CASX12011R/CASP/34/35 to 64BA22/6100.2540/FC000000/329527.01.09.A036.11/000 /2540/64/CASX12011R/CASP Amount changed from $2,000.00 to $0.00 Percent changed from .00245 to 0 NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8737.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $113,980.05 Percent: .13947 Subject To Funding: Payment Address: CHANGES FOR LINE ITEM NUMBER: 4 CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.9085.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.9085.11/ 000/2540/64/CASX12011R/CASP/8/9 to 64BA22/6100.2540/FC000000/329527.01.09.9085.11/000 /2540/64/CASX12011R/CASP Amount changed from $5,600.00 to $4,889.00 Percent changed from .00955 to .00833 CHANGES FOR ACCOUNTING CODE: 64PA00/6100.2540/FC000000/136905.08.04.02.09.0/4.6 1/000/2540/64/EXPX22011D/234A Amount changed from $1,212,785.33 to $1,012,785.33 Percent changed from 2.06758 to 1.72662 NEW ACCOUNTING CODE ADDED: Account code: 64RA50/6100.2540/64/FC000000/921179.01.09.9100.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/1/43 Cost Center 64RA50 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,711.00 Percent: .00292 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/2/44 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $200,000.00 Percent: .34096 Subject To Funding: Payment Address: CHANGES FOR ACCOUNTING CODE: 64BA22/6100.2540/FC000000/329527.01.09.8945.11/000 /2540/64/CASX12011R/CASP Account code changed from 64BA22/6100.2540/64/FC000000/329527.01.09.8945.11/ 000/2540/64/CASX12011R/CASP/19/21 to 64BA22/6100.2540/FC000000/329527.01.09.8945.11/000 /2540/64/CASX12011R/CASP Amount changed from $5,000.00 to $4,000.00 Percent changed from .00959 to .00682 Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:

2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through December 14, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIODS 1-2			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 1-2 is revised as follows:

BASE PERIOD + AWARD TERM PERIODS 1-2 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$25,096,875.27	$113,980.05	$24,982,895.22

4. Accounting and Appropriation Data:

PR #	Amount
4200410326	$ 113,980.05

See Funding Data, Pages 1-4.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF 10 PAGES

2. AMENDMENT/MODIFICATION NO.
000299

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC
NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*
JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO.
NNS07AB21C

10B. DATED *(SEE ITEM 13)*
07/14/2007

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)*
See Schedule Net Increase: $935,846.40

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200408886, 4200410315, 4200410330, 4200410156, 4200410264).

2. See continuation pages 9-10.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
Obligated Amount for this Modification: $935,846.40
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED
9-20-11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Obligated Amount for this Award: $357,135,457.18 CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: $935,846.40 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,503.00 Percent: .01285 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9008.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50,000.00 Percent: .06118 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.9064.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $150,000.00 Percent: .18354 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/269915.09.01.03/000/2 540/64/CECX62010D/769Z/1/2 Cost Center 64RA10 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $12,207.68 Percent: .01494 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64EA00/6100.2540/64/FC000000/432938.08.01.09/000/2 540/64/CASX12011D/361N/2/3 Cost Center 64EA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $40,000.00 Percent: .04894 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8656.11/ 000/2540/64/CASX12011R/CASP/1/2 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $8,775.12 Percent: .01074 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A030.11/ 000/2540/64/CASX12011R/CASP/2/3 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $10,000.00 Percent: .01224 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A032.11/ Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000/2540/64/CASX12011R/CASP/3/4 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,031.80 Percent: .00126 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A004.11/ 000/2540/64/CASX12011R/CASP/4/5 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $3,373.75 Percent: .00413 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A007.11/ 000/2540/64/CASX12011R/CASP/5/6 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $59,128.00 Percent: .07235 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A025.11/ 000/2540/64/CASX12011R/CASP/6/7 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,110.29 Percent: .00625 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A033.11/ 000/2540/64/CASX12011R/CASP/7/8 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $234.64 Percent: .00029 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8938.11/ 000/2540/64/CASX12011R/CASP/8/9 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $1,500.00 Percent: .00184 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8652.11/ 000/2540/64/CASX12011R/CASP/9/10 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $50.45 Percent: .00006 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9118.11/ 000/2540/64/CASX12011R/CASP/10/11 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00612 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8992.11/ 000/2540/64/CASX12011R/CASP/11/12 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,302.40 Percent: .00282 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8918.11/ 000/2540/64/CASX12011R/CASP/12/13 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $108.00 Percent: .00013 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.9087.11/ 000/2540/64/CASX12011R/CASP/13/14 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,000.00 Percent: .02447 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.8969.11/ 000/2540/64/CASX12011R/CASP/14/15 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,000.00 Percent: .00612 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64BA22/6100.2540/64/FC000000/329527.01.09.A034.11/ 000/2540/64/CASX12011R/CASP/15/16 Cost Center 64BA22 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $5,374.80 Percent: .00658 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/999657.09.01.01/000/2 540/64/CASX02009D/255X/2/3 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $4,134.27 Percent: .00506 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/269915.09.01.03/000/2 540/64/CECX62010D/769Z/3/4 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $75,735.21 Percent: .09267 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA10/6100.2540/64/FC000000/696179.50.09.01/000/2 540/64/CECX62010D/672F/1/2 Cost Center 64RA10 GI Account 6100.2540 Order FC000000 Quantity: 0 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Amount: $3,999.99 Percent: .00489 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.02.09.01/00 0/2540/64/EXCX22011D/734A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $462,277.00 Percent: .56565 Subject To Funding: Payment Address: Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:

2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through December 18, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIODS 1-2			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 1-2 is revised as follows:

BASE PERIOD + AWARD TERM PERIODS 1-2 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 24,982,895.22	$935,846.40	$ 24,047,048.82

4. Accounting and Appropriation Data:

PR #	Amount
4200408886	$ 210,503.00
4200410315	$ 52,207.68
4200410330	$ 126,989.25
4200410156	$ 83,869.47
4200410264	$ 462,277.00

See Funding Data, Pages 1-8.

5. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 7

2. AMENDMENT/MODIFICATION NO. 000300

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

JACOBS
600 WILLIAM NORTHERN BLVD
TULLAHOMA TN 37388-4729

CODE 07486 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNS07AB21C

10B. DATED *(SEE ITEM 13)* 07/14/2007

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)*
See Schedule Net Increase: $649,415.71

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

CHECK ONE	
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

LIST OF CHANGES:

1. This is an incremental funding action (PR# 4200410722, 4200410574, 4200410582, 4200410627, 4200410628).

2. See continuation pages 6-7.

3. All other terms and conditions remain the same.

Reason for Modification : Funding Only Action
Obligated Amount for this Modification: $649,415.71
Continued ...

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)*
ADRIANNE PEYTON

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
(Signature of Contracting Officer)

16C. DATE SIGNED 9/22/11

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Obligated Amount for this Award: $357,784,872.89 Incremental Funded Amount changed: [redacted] from (b)(4) CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this modification: $649,415.71 NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.65/000/2540/64/EXPX22011D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $17,488.87 Percent: .0214 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.99/000/2540/64/EXPX22011D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $20,788.45 Percent: .02544 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/4.65/000/2540/64/EXPX22011D/234A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $96,197.34 Percent: .11771 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.04.09/000/2 Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	540/64/CASX12011D/361N/2/3 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $205,000.00 Percent: .25084 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.01.08.09.02/00 0/2540/64/CASX12011D/361N/3/4 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $79,000.00 Percent: .09667 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64RA00/6100.2540/64/FC000000/736466.06.06.09/000/2 540/64/CASX12011D/361N/1/2 Cost Center 64RA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $15,100.00 Percent: .01848 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.61/000/2540/64/EXPX22010D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $11,019.71 Percent: .01348 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.27/000/2540/64/EXPX22011D/234A/1/2 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .12236 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/136905.08.04.02.09.0/ 4.57/000/2540/64/EXPX22011D/234A/2/3 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $100,000.00 Percent: .12236 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/804911.02.09.8998.11/ 000/2540/64/CASX12011R/CASP/3/4 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,382.00 Percent: .00291 Subject To Funding: Payment Address: NEW ACCOUNTING CODE ADDED: Account code: 64PA00/6100.2540/64/FC000000/750271.09.04.09.30/00 0/2540/64/EXCX22011D/734A/4/5 Cost Center 64PA00 GI Account 6100.2540 Order FC000000 Quantity: 0 Amount: $2,439.34 Percent: .00298 Subject To Funding: Payment Address: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
JACOBS

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Delivery Location Code: SSC NASA/Stennis Space Center Stennis Space Center MS 39529-6000 USA FOB: Destination				

1. This continuation page updates Section B.3 Contract Funding paragraphs a & c. For the purpose 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 under the base period is revised as follows:

2. (c) Below identifies cost and fee associated with CLINS 1-9.

BASE PERIOD FUNDING + AWARD TERM PERIOD 2			
(08/28/2007 –08/27/2011)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Total Fee			
Total Sum Allotted			

1a. The funding increment is estimated to cover performance through December 21, 2011.

2. This continuation page also captures Section B.3.1 Contract Funding associated with American Recovery and Reinvestment Act Funds. For the purpose 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 under the base period and award term period 1 is reflected as follows:
Below identifies cost and fee associated with CLINS 10-12.

BASE PERIOD ARRA FUNDING + AWARD TERM PERIODS 1-2			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

2a. The funding is to cover performance through January 31, 2011.

Non ARRA + ARRA Funding Summary			
(08/28/07 – 09/30/2010)	PREVIOUS	MODIFICATION	NEW
Target Cost	(b)(4)		
Provisional Incentive Fee			
Cost	(b)(4)		
Performance			
Earned Incentive Fee			
Total Fee			
Total Sum Allotted			

3. The total amount remaining unfunded under the base period + award term period 1-2 is revised as follows:

BASE PERIOD + AWARD TERM PERIODS 1-2 UNFUNDED		
PREVIOUS	MODIFICATION	NEW
$ 24,047,048.82	$649,415.71	$ 23,397,633.11

4. Accounting and Appropriation Data:

PR #	Amount
4200410628	$ 17,488.87
4200410627	$ 116,985.79
4200410582	$ 299,100.00
4200410574	$ 11,019.71
4200410722	$ 204,821.34

See Funding Data, Pages 1-5.

5. All other terms and conditions remain unchanged.