


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	13
2. AMENDMENT/MODIFICATION NO. P00001	3. EFFECTIVE DATE 20-Nov-2006	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA MED RESEARCH ACQ ACTIVITY 820 CHANDLER ST FORT DETRICK MD 21702-5014	CODE W81XWH	7. ADMINISTERED BY (If other than item 6) USA MED RESEARCH ACQ ACTIVITY ATTN: MEGHAN SHOLTY 301-619-6663 MEGHAN.SHOLTY@AMEDD.ARMY.MIL FORT DETRICK MD 21701		CODE W81XWH	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) WEB3D CONSORTIUM INC SANDY RESSLER 225 BUSH STREET FLOOR 16 SAN FRANCISCO CA 94104-4213			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W81XWH-06-1-0096		
			X 10B. DATED (SEE ITEM 13) 20-Oct-2005		
CODE 1N0S3	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
Offer 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 ACKNOWLEDGMENT 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 APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
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; Ref. Recipient's proposal 23 May 2006					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> 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.) Modification Control Number: msholty07553 The purpose of this modification is to add additional funding in the amount of \$150,000.00 for the amendment to X3D to create a Standard Specification of Medical Image Volume Rendering, Segmentation and Registration. The period of performance will be extended eight months to 20 August 2007 (Research ends on 19 July 2007. Additional time is provided for submission of final report).					
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) JAMES WATKINS / CONTRACT SPECIALIST TEL: 301-619-2540 EMAIL: james.e.watkins@us.army.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)		16C. DATE SIGNED 21-Nov-2006

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$150,000.00 from \$10,000.00 to \$160,000.00.

The 'administered by' organization has changed from

USA MED RESEARCH ACQ ACTIVITY
820 CHANDLER ST
FORT DETRICK MD 21702-5014

to

USA MED RESEARCH ACQ ACTIVITY
ATTN: MEGHAN SHOLTY
301-619-6663
MEGHAN.SHOLTY@AMEDD.ARMY.MIL
FORT DETRICK MD 21701

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0001

The CLIN extended description has changed from R&D PROPOSAL #05096001 Development of an Amendment to X3D to Create a Standard Specification of Medical Image Volume Rendering, Segmentation, and Registration to R&D PROPOSAL #05096001 Period of Performance: 20 November 2006 through 20 August 2007 (Research ends on 19 July 2007, additional time is provided for submission of final report)..

The unit price amount has increased by \$150,000.00 from \$10,000.00 to \$160,000.00.

The MDAP/MAIS Code 000 has been added.

The total cost of this line item has increased by \$150,000.00 from \$10,000.00 to \$160,000.00.

SUBCLIN 000101 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000101	Additional Funding FFP Additional Funding for CLIN 0001 FOB: Destination MILSTRIP: W23RYX6293N604 PURCHASE REQUEST NUMBER: W23RYX6293N604		Each	\$0.00	
					NET AMT
					\$0.00
ACRN AB CIN: W23RYX6293N6040001					\$37,500.00

SUBCLIN 000102 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000102	Additional Funding FFP Additional Funding for CLIN 0001 FOB: Destination MILSTRIP: W23RYX6293N603 PURCHASE REQUEST NUMBER: W23RYX6293N603		Each	\$0.00	
					NET AMT
					\$0.00
					ACRN AC
					\$37,500.00
					CIN: W23RYX6293N6030001

SUBCLIN 000103 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000103	Additional Funding FFP Additional Funding for CLIN 0001 FOB: Destination MILSTRIP: W23RYX6293N602 PURCHASE REQUEST NUMBER: W23RYX6293N602		Each	\$0.00	
					NET AMT
					\$0.00
					ACRN AD
					\$37,500.00
					CIN: W23RYX6293N6020001

SUBCLIN 000104 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000104	Additional Funding FFP Additional Funding FOB: Destination MILSTRIP: W23RYX6293N601 PURCHASE REQUEST NUMBER: W23RYX6293N601		Each	\$0.00	
				NET AMT	\$0.00
				ACRN AE CIN: W23RYX6293N6010001	\$37,500.00

SECTION E - INSPECTION AND ACCEPTANCE

The following Acceptance/Inspection Schedule was added for SUBCLIN 000101:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 000102:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 000103:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 000104:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule Item has been deleted from CLIN 0001:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 20-OCT-2005 TO 20-NOV-2006	N/A	USA MED RESEARCH AND MATERIEL COM JUDY PAWLUS 504 SCOTT STREET FORT DETRICK MD 21702-5012 301-619-7322 FOB: Destination	W23RYX
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The following Delivery Schedule item has been added to CLIN 0001:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 20-NOV-2006 TO 20-AUG-2007	N/A	USA MED RESEARCH AND MATERIEL COM JUANITA LIVINGSTON 504 SCOTT STREET FORT DETRICK MD 21702-5012 FOB: Destination	W23RYX

The following Delivery Schedule item has been added to SUBCLIN 000101:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 20-NOV-2006 TO 20-AUG-2007	N/A	USA MED RESEARCH AND MATERIEL COM JUANITA LIVINGSTON 504 SCOTT STREET FORT DETRICK MD 21702-5012 FOB: Destination	W23RYX

The following Delivery Schedule item has been added to SUBCLIN 000102:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 20-NOV-2006 TO 20-AUG-2007	N/A	USA MED RESEARCH AND MATERIEL COM JUANITA LIVINGSTON 504 SCOTT STREET FORT DETRICK MD 21702-5012 FOB: Destination	W23RYX

The following Delivery Schedule item has been added to SUBCLIN 000103:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 20-NOV-2006 TO 20-AUG-2007	N/A	USA MED RESEARCH AND MATERIEL COM JUANITA LIVINGSTON 504 SCOTT STREET FORT DETRICK MD 21702-5012 FOB: Destination	W23RYX

The following Delivery Schedule item has been added to SUBCLIN 000104:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 20-NOV-2006 TO 20-AUG-2007	N/A	USA MED RESEARCH AND MATERIEL COM JUANITA LIVINGSTON 504 SCOTT STREET FORT DETRICK MD 21702-5012 FOB: Destination	W23RYX

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$150,000.00 from \$10,000.00 to \$160,000.00.

SUBCLIN 000101:

Funding on SUBCLIN 000101 is initiated as follows:

ACRN: AB

CIN: W23RYX6293N6040001

Acctng Data: 216204000000748119633002MM2004150P1FQQDW23RYX6293N604FQQDP1018064

Increase: \$37,500.00

Total: \$37,500.00

SUBCLIN 000102:

Funding on SUBCLIN 000102 is initiated as follows:

ACRN: AC

CIN: W23RYX6293N6030001

Acctng Data: 216204000000748119633002MK2224150P1FPUDW23RYX6293N603FPUDP1018064

Increase: \$37,500.00

Total: \$37,500.00

SUBCLIN 000103:

Funding on SUBCLIN 000103 is initiated as follows:

ACRN: AD

CIN: W23RYX6293N6020001

Acctng Data: 216204000000748119622787VB3004150P1FQTSW23RYX6293N602FQTSP1018064

Increase: \$37,500.00

Total: \$37,500.00

SUBCLIN 000104:

Funding on SUBCLIN 000104 is initiated as follows:

ACRN: AE

CIN: W23RYX6293N6010001

Acctng Data: 216204000000748119633002MB2224150P1FLPMW23RYX6293N601FLPMP1018064

Increase: \$37,500.00

Total: \$37,500.00

SECTION H - SPECIAL CONTRACT REQUIREMENTS

The following have been added by full text:

ADDITIONAL INFORMATION

GRANT

AWARDEE: Web3D Consortium, Inc

TITLE: PROVIDE FUNDING TO WEB3D CONSORTIUM, INC, giving them the authority to fund a grant for the project proposal 05096001 for Development of an Amendment to X3D to Create a Standard Specification of Medical Image Volume Rendering, Segmentation, and Registration.

PRINCIPAL INVESTIGATOR: Michael Aratow, MD, FACEP
Web3D Consortium, maratow@neogenesis.com

PERIOD OF PERFORMANCE: 20 November – 20 August 2007 (Research ends 19 July 2007, an Additional 30 days is provided for submission of the final report).

In return for Financial Assistance, five (5) copies of the Published Proceedings shall be mailed to the address listed in Paragraph 1 on page 7 entitled, "Reporting Requirements".

A. This award is made under the authority of 31 U.S.C. 6304 and 10 U.S.C. 2358. The recipient's statement of work and budget on page 6-1 of the proposal dated 07/28/2005 and revised statement of work on page 4 and the

budget on page 5 of the proposal dated 05/23/2006 are incorporated herein by reference. The Catalog of Federal Domestic Assistance Number relative to this award is CFDA 12.420.

B. ACCEPTANCE OF AWARD: The recipient is not required to countersign this assistance award. In case of disagreement, the recipient shall notify the Grants Officer and not assess the grant any costs until such disagreement(s) is resolved.

C. USAMRAA GENERAL TERMS AND CONDITIONS: This assistance agreement is subject to the USAMRAA General Terms and Conditions and to any special considerations as contained in the below mentioned Section titled "Special Terms and Conditions". These USAMRAA General Terms and Conditions are incorporated by reference with the same force and effect as if they were given in full text. The full text of the USAMRAA General Terms and Conditions may be accessed electronically at <http://www.usamraa.army.mil/pages/index.cfm>.

D. SPECIAL TERMS AND CONDITIONS

REPORTING REQUIREMENTS

D. SPECIAL TERMS AND CONDITIONS

1. TATRC REPORTING REQUIREMENTS

The reporting requirements include quarterly, annual and final reports and the Principal Investigator's (PI's) participation in at least one programmatic line review (PLR) for this project for each year of the project's period-of-performance.

a. PROGRAMMATIC LINE REVIEW (PLR)

b. QUARTERLY REPORTS FORMAT (USAMRAA)

1) Quarterly reports are the most immediate and direct contact between the PI and the Contracting Officer's Representative (COR). The reports provide the means for keeping this Command advised of developments and problems as the contract effort proceeds. The Quarterly reports also provide a measure against which decisions on release of funding and requests for supplemental funding are made.

2) Quarterly report shall be submitted for each quarter of the award term. The report shall be submitted to the program office electronically, as an email attachment to the following email address (es), **within fifteen (15) days after the end of each quarter.**

Elizabeth Krupinski, PhD (krup@radiology.arizona.edu)

3) The Quarterly report sample shown on the following page shall serve as the format. Each item of the report format shall be completed or addressed.

Quarterly Report Format

1. Award No.
2. Report Date:
3. Reporting period:
4. Principal Investigator:
5. Telephone No.:
6. Award Organization:
7. Project Title:
8. Current staff, role and percent effort of each on project.

STAFF MEMBER	ROLE	% EFFORT
	PI	

9. Contract expenditures to date (as applicable):

COST ELEMENTS	THIS QUARTER	CUMULATIVE
Personnel		
Fringe Benefits		
Supplies		
Equipment		
Travel		
Other Direct Costs		
Subtotal		
Indirect Costs		
Fee		
Total		

10. Comments on administrative and logistical matters.
11. Use additional page(s), as necessary, to describe scientific progress for the quarter in terms of the tasks or objectives listed in the statement of work for this contract. Explain deviations where this isn't possible. Include data where possible.
12. Use additional page(s) to present a brief statement of plans or milestones for the next quarter.

c. FORMAT REQUIREMENTS FOR ANNUAL AND FINAL REPORTS (MAY 1996)**USAMRAA**

1) Annual reports must provide a complete summary of the research accomplishments to date with respect to the **approved** Statement of Work. Journal articles **can be** substituted for detailed descriptions of specific aspects of the research, but the original articles **must** be attached to the report as an appendix and appropriately referenced in the text. The importance of the report to decisions relating to continued support of the research cannot be over-emphasized. A report shall be submitted within 30 calendar days of the anniversary date of the award (a final report will be submitted upon completion of the research (last year of the award).

2) A final report summarizing the entire research effort, citing data in the annual reports and appended publications shall be submitted at the end of the award performance period. The final report will provide a complete reporting of the research findings. Journal publications **can be** substituted for detailed descriptions of specific aspects of the research, but an original copy of each publication **must** be attached as an appendix and appropriately referenced in the text. All final reports must include a bibliography of all publications and meeting abstracts and a list of personnel (not salaries) receiving pay from the research effort.

3) Although there is no page limitation for either the annual or final report, each report shall be of sufficient length to provide a thorough description of the accomplishments with respect to the approved Statement of Work. Submission of an original and two copies of the report are required. Reports shall be forwarded to:

Commander, U.S. Army Medical Research and Materiel Command
ATTN: MCMR-ZC-I
504 Scott Street
Fort Detrick, MD 21702-5012

4) All reports shall have the following elements in this order: front cover, Standard Form (SF 298), table of contents, introduction, body, key research accomplishments, reportable outcomes, conclusions, references, and appendices. Pages shall be consecutively numbered throughout the report. **DO NOT RENUMBER PAGES IN THE APPENDICES BUT DO NOT INCLUDE THE APPENDICES IN THE PAGE COUNT IN BLOCK 15 ON THE SF 298.** Mark all pages of the report that contain proprietary or unpublished data that should be protected. **DO NOT USE THE WORD "CONFIDENTIAL" WHEN MARKING DOCUMENTS.** Indicate in your letter accompanying the report that the report contains proprietary or unpublished data, and that the distribution statement should indicated the limitations of the report. **FRONT COVER:** Sample front cover provided at <http://mrmc-www.army.mil/rrpindex.asp>. The Accession Document (AD) Number should remain blank.

STANDARD FORM 298: Sample SF 298 provided at <http://mrmc-www.army.mil>. The abstract in Block 13 **must** state the purpose, scope, major findings and be an **up-to-date** report of the progress in terms of results and significance. Subject terms are keywords that may have previously assigned to the proposal abstract or are keywords that may be significant to the research. The number of pages shall include all pages that have printed data (including the front cover, SF 298, table of contents, and all appendices). Please count pages carefully to ensure legibility and that there are no missing pages as this delays processing of reports. **Page numbers should be typed: please do not hand number pages.**

TABLE OF CONTENTS: Sample table of contents provided at <http://www.army.mil/rrpindex.asp>.

INTRODUCTION: Narrative that briefly (one paragraph) describes the subject, purpose and scope of the research.

BODY: This section of the report shall describe the research accomplishments associated with each task outlined in the **approved** Statement of Work. Data presentation shall be comprehensive in providing a complete record of the research findings for the period of the report. Appended publications and/or presentations **may** be substituted for detailed descriptions but **must** be referenced in the body of the report. If applicable, for each task outlined in the Statement of Work, reference appended publications and/or presentations for details of result findings and tables and/or figures. The report shall include negative as well as positive findings. Include problems in accomplishing any of the tasks. Statistical tests of significance shall be applied to all data whenever possible. Figures and graphs referenced in the text may be embedded in the text or appended. Figures and graphs can also be referenced in the text and appended to a publication. Recommended changes or future work to better address the research topic may also be included, although the Grants Officer must approve changes to the original Statement of Work. This approval must be obtained prior to initiating any change to the original Statement of Work.

KEY RESEARCH ACCOMPLISHMENTS: Bulleted list of key research accomplishments emanating from this research.

REPORTABLE OUTCOMES: Provide a list of reportable outcomes that have resulted from this research to include:

manuscripts, abstracts, presentations; patents and licenses applied for and/or issued; degrees obtained that are supported by this award; development of cell lines, tissue or serum repositories; infomatics such as databases and animal models, etc.; funding applied for based on work supported by this award; employment or research opportunities applied for and/or received based on experience/training supported by this award.

CONCLUSIONS: Summarize the results to include the importance and/or implications of the completed research and when necessary, recommend changes on future work to better address the problem. A "so what section" which evaluates the knowledge as a scientific or medical product shall also be included in the conclusion of the report.

REFERENCES: List all references pertinent to the report using a standard journal format (i.e. format used in *Science*, *Military Medicine*, etc.).

APPENDICES: Attach all appendices that contain information that supplements, clarifies or supports the text. Examples include original copies of journal articles, reprints of manuscripts and abstracts, a curriculum vitae, patent applications, study questionnaires, and surveys, etc.

2. ADVANCE PAYMENTS AND FULL FUNDING (NOV 2000) (USAMRAA)

a. Payments. Advance payments will be made to the recipient. Questions relative to payment issues involving Defense Finance and Accounting Service shall be directed to Meghan Sholty 301-619-6663

b. Electronic Funds Transfer. All advance payments to the recipient will be made by the electronic funds transfer (EFT). The recipient shall contact the Defense Finance and Accounting System (DFAS) named on the face page of this award to make arrangements for EFT. Failure to do so may result in nonpayment.

c. If the recipient fails to perform, the Grants Officer shall notify DFAS in writing to withhold payments.

d. Advance Payment Schedule

Year One \$10,000

<u>Amount</u>	<u>On or Amount</u>
\$10,000	Upon execution of the award (Released)

Year Two \$150,000

<u>Amount</u>	<u>On or About</u>
\$150,000	Upon execution of this modification (P00001)

e. Financial Reporting Requirements: The recipient shall submit on a quarterly basis a Standard Form 272, Federal Cash Transactions Report (form available on web site <http://www.usamraa.army.mil>). Each report shall be submitted to the U.S. Army Medical Research Acquisition Activity, ATTN: [MCMR-AAA-B_](#), 820 Chandler Street, Fort Detrick MD 21702-5014 in accordance with the following schedule:

<u>Period Covered</u>	<u>Due Date</u>
Jan - Mar	15 Apr
Apr - Jun	15 Jul
Jul - Sep	15 Oct
Oct - Dec	15 Jan

f. Interest Bearing Account. Unless exempted by applicable Treasury-State agreements in accordance with the Cash Management Improvement Act (CMIA) (31 U.S.C. 3335), the recipient shall deposit all advance payments in an interest bearing account. Interest over the amount of \$250 per year shall be remitted annually to the Department of Health and Human Services, Payment Management System, P.O. Box 6021, Rockville, MD 20852. A copy of the transmittal letter stating the amount of interest remitted shall be sent to the U.S. Army Medical Research Acquisition Activity, ATTN:MCMR-AAA-___, 820 Chandler Street, Fort Detrick, MD 21702-5014.

3. PROHIBITION OF USE OF LABORATORY ANIMALS (OCT 2003) (USAMRAA)

**** PROHIBITION – READ FURTHER FOR DETAILS ****

Notwithstanding any other provisions contained in this award or incorporated by reference herein, the recipient is expressly forbidden to use or subcontract for the use of laboratory animals in any manner whatsoever without the express written approval of the US Army Medical Research and Materiel Command, Animal Care and Use Office. You will receive written approval to begin research under the applicable protocol proposed for this award from the US Army Medical Research and Materiel Command, Animal Care and Use Office under separate letter to the recipient and Principal Investigator. A copy of this approval will be provided to the US Army Medical Research and Acquisition Activity for the official file. Non-compliance with any provision of this clause may result in the termination of the award.

4. PROHIBITION OF USE OF HUMAN SUBJECTS (OCT 2003) (USAMRAA)

**** PROHIBITION – READ FURTHER FOR DETAILS ****

Research at funded institutions using human subjects may not begin until the U.S. Army Surgeon General's Human Subjects Research Review Board (HSRRB) approves the protocol. Written approval to begin research or subcontract for the use of human subjects under the applicable protocol proposed for this award will be issued from the US Army Medical Research and Materiel Command, HSRRB, under separate letter to the funded institution and the Principal Investigator. A copy of this approval will be provided to the US Army Medical Research Acquisition Activity for the official file. Non-compliance with any provision of this clause may result in withholding of funds and or the termination of the award.

5. PROHIBITION OF USE OF HUMAN ANATOMICAL SUBSTANCES (OCT 2003) (USAMRAA)

**** PROHIBITION – READ FURTHER FOR DETAILS****

Research at funded institutions using human anatomical substances may not begin until the U.S. Army Surgeon General's Human Subjects Research Review Board (HSRRB) approves the protocol. Written approval to begin research or subcontract for the use of human anatomical substances under the applicable protocol proposed for this award will be issued from the US Army Medical Research and Materiel Command, HSRRB, under separate letter to the funded institution and the Principal Investigator. A copy of this approval will be provided to the US Army Medical Research Acquisition Activity for the official file. Non-compliance with any provision of this clause may result in withholding of funds and or the termination of the award.

6. PROHIBITION OF USE OF HUMAN CADAVERS (OCT 2003) (USAMRAA)

**** PROHIBITION – READ FURTHER FOR DETAILS****

Research at funded institutions using human cadavers may not begin until the U.S. Army Surgeon General's Human Subjects Research Review Board (HSRRB) approves the protocol. Written approval to begin research or subcontract for the use of human cadavers under the applicable protocol proposed for this award will be issued from the US Army Medical Research and Materiel Command, HSRRB, under separate letter to the funded institution and the Principal Investigator. A copy of this approval will be provided to the US Army Medical Research Acquisition Activity for the official file. Non-compliance with any provision of this clause may result in withholding of funds and or the termination of the award.

(End of Summary of Changes)