

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. A499	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue, Building 464 Upton, NY 11973-5000	CODE 06005	7. ADMINISTERED BY (If other than Item 6) Code 06005	

8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) Brookhaven Science Associates, LLC 40 Brookhaven Avenue Building 460 Upton, New York 11973-5000	<input checked="" type="checkbox"/>	9.A. AMENDMENT OF SOLICITATION NO.
		9.B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10.A. MODIFICATION OF Contract/Order NO. DE-AC02-98CH10886
		10.B. DATED (SEE ITEM 13) 01/05/1998
CODE N/A	FACILITY CODE N/A	

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 attached financial worksheet.

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).	
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual agreement of the parties	
	D. OTHER (Specify type of modification and authority)	

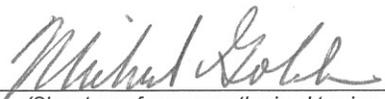
E. IMPORTANT: Contractor is not is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section heading, including solicitation/contract subject matter where feasible.) This Modification is issued to reflect the de-obligation of American Recovery and Reinvestment Act of 2009 funds under Treasury Accounting Symbol 89-09/10-0227 in the amount of \$718.86. Accordingly, Section C.6.4 - Recovery Act Project Category 4: "Nuclear Physics" has been revised to reflect the de-obligation of funds in the amounts of \$21.70 from the PHENIX Silicon Vertex MIE and \$697.16 from the PHENIX Forward Vertex Detector MIE to reflect the close-out of all actions provided under Work Authorizations KB/CH13/9/ARRA-1 and KB/CH13/9/ARRA-2.

Attachments:

Section C.6.4, Recovery Act Project Category 4: Nuclear Physics

- PHENIX Silicon Vertex MIE
- PHENIX Forward Vertex Detector MIE

15A. NAME AND TITLE OF SIGNER (Type or print) Michael Goldman Secretary & General Counsel	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Evelyn Landini Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED 9/27/12	16C. DATE SIGNED 9/27/12
 (Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

**C.6.4–Recovery Act Project Category 4:
 Nuclear Physics (NP)**

- A. The American Recovery and Reinvestment Act of 2009 funds obligated under this Category in FY 2009 and FY 2010 are specified below in Section C.
- B. Clause I.139 DEAR 970.5232-4 “Obligation of Funds” has been adjusted accordingly.
- C. The specific work funded under this Category is as follows:

1. PHENIX Silicon Vertex MIE (TEC \$.250M)

Statement of Work: These funds are provided under KB-02-01-02-1 EQU to advance funding for equipment purchases for the PHENIX Silicon Vertex Tracker MIE (71RD) project, including data acquisition crates for front-end modules for strip detectors; data collection modules, and installation fixtures and external cooling system.

Per Work Authorization, Rev 02, Attachment A, Contractor Recovery Act Performance Requirements has been revised.

Per Work Authorization for FY11, Rev 03, Block 13, “Expected Completion Date” is revised to 12/2010 in order to reflect the correct date of project completion.

Per Work Authorization for FY12, Rev 04, Block 13, “Expected Completion Date” is revised from 12/2010 to 09/2012 in order to reflect the correct date of project completion and funds are redistributed.

Rev 05: In FY12, funds in the amount of \$21.70 were withdrawn to reflect the de-obligation and closeout of all actions provided under Work Authorization #KB/CH13/9/ARRA-1.

Accordingly, the final obligated amount of the project is \$249,978.30.

The specific Contractor Recovery Act Statement of Work, Milestones, Outcomes and Measures, and Deliverables funded by this modification are identified in the following referenced Work Authorization:

Work Authorization Number	Work Authorization Title
KB/CH13/9/ARRA-1, Rev 01, Rev 02, Rev 03, Rev 04 & Rev 05 Project Code 2005200	Nuclear Physics – PHENIX Silicon Vertex MIE

2. PHENIX Forward Vertex Detector MIE (TEC \$.967M)

Statement of Work: These funds are provided under KB-02-01-02-1 EQU to advance funding for the purchase of two silicon end caps for the PHENIX Forward Vertex Detector MIE (81SF)

Rev 03: The revised Work Authorization changes the Expected Completion Date from 6/11 to 12/11.

Rev 04: The revised Work Authorization changes the Expected Completion Date from

12/2011 to 09/2012 in order to reflect the correct project completion date and redistribute funds from EQU to OPE.

Rev 05: In FY12, funds in the amount of \$697.16 were withdrawn to reflect the de-obligation and closeout of all actions provided under Work Authorization #KB/CH13/9/ARRA-2.

Accordingly, the final obligated amount of the project is \$966,302.84.

The specific Contractor Recovery Act Statement of Work, Milestones, Outcomes and Measures, and Deliverables funded by this modification are identified in the following referenced Work Authorization:

Work Authorization Number	Work Authorization Title
KB/CH13/9/ARRA-2, Rev 01, Rev 02, Rev 03, Rev 04 & Rev 05 Project Code 2005210	Nuclear Physics – PHENIX Forward Vertex Detector MIE