

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   1
2. AMENDMENT/MODIFICATION NO. 110	3. EFFECTIVE DATE 10/25/2012	4. REQUISITION/PURCHASE REQ. NO. 13SC000470	5. PROJECT NO. (If applicable)
6. ISSUED BY Fermi Site Office U.S. Department of Energy Fermi Site Office P.O. Box 2000 Batavia IL 60510	CODE 06006	7. ADMINISTERED BY (If other than Item 6) Fermi Site Office U.S. Department of Energy Fermi Site Office P.O. Box 2000 Batavia IL 60510	CODE 06006
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) FERMI RESEARCH ALLIANCE, LLC Attn: GARY LEONARD FERMI RESEARCH ALLIANCE, LLC PINE ST. AND KIRK RD, MS-213 BATAVIA IL 605105011		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE 626399831 FACILITY CODE			9B. DATED (SEE ITEM 11)
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC02-07CH11359
			10B. DATED (SEE ITEM 13) 11/01/2006

**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: \$163,943,294.32  
SEE APPROVED FUNDING PROGRAM NO 1; DATED 10/23/2012 - ATTACHED

**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: Part II, Section I, Clause 119; DEAR 970.5232-4; and by 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 \_\_\_\_\_ 0 \_\_\_\_\_ copies to the issuing office.

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

TAS:: 89 0222 ::TAS

As provided in paragraph (a) of Part II, Section I, Clause I.119 - DEAR 970.5232-4, OBLIGATION OF FUNDS (DEC 2000) of the subject contract as initially awarded, the amount obligated hereunder is increased by \$163,943,294.32, from a total of \$2,538,627,455.65, to a total of \$2,702,570,749.97.

FOB: Destination

Period of Performance: 01/01/2007 to 12/31/2015

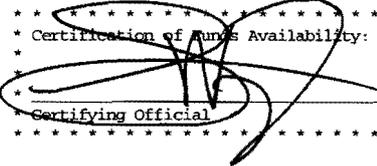
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rory S. Simpson	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Signature on File (Signature of Contracting Officer)	16C. DATE SIGNED 10/25/2012

CHICAGO OPERATIONS OFFICE  
FY 2013 APPROVED FUNDING PROGRAM NO. 1  
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359  
SUMMARY

BUDGET AUTHORITY (BA)

	BEGINNING UNCOSTED OBLIGATIONS	NEW BA			TOTAL AVAILABLE
		PREVIOUS	CHANGE	REVISED	
OPERATING EXPENSES	0.00	0.00	128,276,712.00	128,276,712.00	128,276,712.00
CAPITAL EQUIPMENT	0.00	0.00	12,368,649.00	12,368,649.00	12,368,649.00
CONSTRUCTION	0.00	0.00	23,107,260.00	23,107,260.00	23,107,260.00
REIMBURSABLE WORK	0.00	0.00	190,673.32	190,673.32	190,673.32
GRAND TOTAL	0.00	0.00	163,943,294.32	163,943,294.32	163,943,294.32

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 \* Certification of Funds Availability: \*  
 \*  
 \*  \*  
 \* Certifying Official \*  
 \* 10-23-2012 \*  
 \* Date \*  
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CHICAGO OPERATIONS OFFICE  
FY 2013 APPROVED FUNDING PROGRAM NO. 1  
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359  
HQ B&R CONTROL SUMMARY

				BUDGET AUTHORITY (BA)				
APPROPRIATION YEAR				BEGINNING	NEW BA			TOTAL
FT	HQ	B&R CONTROL	BUDGET REFERENCE NUMBER	UNCOSTED OBLIGATIONS	PREVIOUS	CHANGE	REVISED	AVAILABLE
89X0222	2013	General Science and Research Activities, Oper						
WA	39-KA-00-00-0	PRN11SC40000	39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE	0.00	0.00	1,853,260.00	1,853,260.00	1,853,260.00
	39-KA-00-00-0	PRN11SC41000	39KA00000PRN11SC40000, Muon to Electron Conversion Experiment	0.00	0.00	9,754,000.00	9,754,000.00	9,754,000.00
ZW	60-00-00-00-0		600000000 - Cost Of Reimbursable And Cooperative Work - Non-	0.00	0.00	190,673.32	190,673.32	190,673.32
WA	FS-10-00-00-0		FS1000000 - Safeguards and Security - Science	0.00	0.00	1,601,000.00	1,601,000.00	1,601,000.00
	KA-00-00-00-0		KA0000000, High Energy Physics	0.00	0.00	150,530,361.00	150,530,361.00	150,530,361.00
	KC-00-00-00-0		KC0000000, Basic Energy Services	0.00	0.00	14,000.00	14,000.00	14,000.00

CHICAGO OPERATIONS OFFICE  
FY 2013 APPROVED FUNDING PROGRAM NO. 1  
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DETAIL

				BUDGET AUTHORITY (BA)				
				BEGINNING	NEW BA			TOTAL
				UNCOMMITTED	PREVIOUS	CHANGE	REVISED	AVAILABLE
FT	B&R REPORTING/BUD REF NUM	APPR YEAR	OBJ CLASS	OBLIGATIONS				
OPERATING EXPENSES								
WA	FS-10-01-00-0	2013	25400 FS1001000, Protective Forces	0.00	0.00	775,000.00	775,000.00	775,000.00
	FS-10-02-00-0	2013	25400 FS1002000, Security Systems	0.00	0.00	261,000.00	261,000.00	261,000.00
	FS-10-05-00-0	2013	25400 FS1005000, Cyber Security	0.00	0.00	446,000.00	446,000.00	446,000.00
	FS-10-07-00-0	2013	25400 FS1007000, Material Control and Accountability	0.00	0.00	28,000.00	28,000.00	28,000.00
	FS-10-09-00-0	2013	25400 FS1009000, Program Management	0.00	0.00	91,000.00	91,000.00	91,000.00
	KA-21-01-02-0	2013	25400 KA2101020, National Laboratories	0.00	0.00	9,428,223.00	9,428,223.00	9,428,223.00
	KA-21-02-02-2	2013	25400 KA2102022, CMS Detector and Computing Support	0.00	0.00	11,409,846.00	11,409,846.00	11,409,846.00
	KA-21-03-01-1 OPEMIE30YB	2013	25400 KA2103011, MIE	0.00	0.00	1,000,000.00	1,000,000.00	1,000,000.00
	KA-22-01-02-0	2013	25400 KA2201020, National Laboratories	0.00	0.00	5,227,100.00	5,227,100.00	5,227,100.00
	KA-22-02-02-1	2013	25400 KA2202021, Accelerator Operations	0.00	0.00	33,881,203.00	33,881,203.00	33,881,203.00
	AIP	2013	32003 KA2202021, Accelerator Operations	0.00	0.00	1,600,000.00	1,600,000.00	1,600,000.00
	EQU	2013	31003 KA2202021, Accelerator Operations	0.00	0.00	1,036,732.00	1,036,732.00	1,036,732.00
	KA-22-02-02-2	2013	25400 KA2202022, Detector and Computing	0.00	0.00	14,769,090.00	14,769,090.00	14,769,090.00
	KA-22-02-02-3 GPP	2013	32002 KA2202023, Other Complex Support	0.00	0.00	9,900,000.00	9,900,000.00	9,900,000.00
	KA-22-02-81-1	2013	25400 KA2202811, Special Process Spares	0.00	0.00	770,723.00	770,723.00	770,723.00
	KA-22-03-01-1 EQUIMIE01VK	2013	31001 KA2203011, MIE	0.00	0.00	2,423,041.00	2,423,041.00	2,423,041.00
	EQUIMIE71RF	2013	31001 KA2203011, MIE	0.00	0.00	8,058,876.00	8,058,876.00	8,058,876.00
	OPEMIE30YC	2013	25400 KA2203011, MIE	0.00	0.00	4,250,000.00	4,250,000.00	4,250,000.00
	KA-22-03-01-2 OPELBNE	2013	25400 KA2203012, Line Item OPC	0.00	0.00	9,800,000.00	9,800,000.00	9,800,000.00
	OPEMm2E	2013	25400 KA2203012, Line Item OPC	0.00	0.00	1,241,100.00	1,241,100.00	1,241,100.00
	KA-22-03-02-0	2013	25400 KA2203020, Future Project R&D	0.00	0.00	4,137,000.00	4,137,000.00	4,137,000.00
	KA-23-01-02-0	2013	25400 KA2301020, National Laboratories	0.00	0.00	3,930,150.00	3,930,150.00	3,930,150.00
	KA-23-02-01-0	2013	25400 KA2302010, Experimental Operations and Support	0.00	0.00	1,290,745.00	1,290,745.00	1,290,745.00
	KA-23-03-02-0	2013	25400 KA2303020, Future Project R&D	0.00	0.00	41,370.00	41,370.00	41,370.00
	KA-24-01-01-2	2013	25400 KA2401012, National Laboratories	0.00	0.00	4,113,419.00	4,113,419.00	4,113,419.00
	KA-24-01-02-2	2013	25400 KA2401022, Scientific Computing	0.00	0.00	413,700.00	413,700.00	413,700.00
	KA-24-03-01-3	2013	25400 KA2403013, Other Projects	0.00	0.00	417,837.00	417,837.00	417,837.00
	EQU	2013	31003 KA2403013, Other Projects	0.00	0.00	850,000.00	850,000.00	850,000.00
	KA-25-01-01-2	2013	25400 KA2501012, National Laboratories	0.00	0.00	7,836,306.00	7,836,306.00	7,836,306.00
	KA-25-01-02-1	2013	25400 KA2501021, LHC Accelerator Research	0.00	0.00	1,393,342.00	1,393,342.00	1,393,342.00
	KA-25-01-02-2	2013	25400 KA2501022, Muon Accelerators	0.00	0.00	3,247,545.00	3,247,545.00	3,247,545.00
	KA-25-01-03-2	2013	25400 KA2501032, National Laboratories	0.00	0.00	4,422,453.00	4,422,453.00	4,422,453.00
	KA-25-02-01-0	2013	25400 KA2502010, Accelerator Infrastructure and Test Facilities	0.00	0.00	3,640,560.00	3,640,560.00	3,640,560.00
	KC-04-06-02-0	2013	25400 KC0406020, Accelerator and Detector Research	0.00	0.00	14,000.00	14,000.00	14,000.00

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DETAIL

		BUDGET AUTHORITY (BA)				
FT	B&R REPORTING APPR YEAR	BEGINNING UNCOSTED OBLIGATIONS	PREVIOUS	NEW BA CHANGE	REVISED	TOTAL AVAILABLE
CONSTRUCTION						
WA	39-KA-00-00-0 2013 39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE PRN11SC40000/32001	0.00	0.00	1,853,260.00	1,853,260.00	1,853,260.00
	2013 39KA00000PRN11SC41000, Muon to Electron Conversion Experimen PRN11SC41000/32001	0.00	0.00	9,754,000.00	9,754,000.00	9,754,000.00

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				BUDGET AUTHORITY (BA)				
FT	B&R REPORTING ORDER NUMBER	APPR YEAR	OBJ CLASS	BEGINNING UNCOSTED OBLIGATIONS	PREVIOUS	NEW BA CHANGE	REVISED	TOTAL AVAILABLE
REIMBURSABLE WORK								
2W	60-03-03-00-0	2013	25400	600303000, State and Local Governments and Non-Profit Organi	0.00	0.00	10,314.03	10,314.03
	AGRWF004001			CHAGRWF004001				
	AGRWF020110003			CHAGRWF020110003	0.00	0.00	17,527.48	17,527.48
TOTAL B&R REPORTING 60-03-03-00-0				0.00	0.00	27,841.51	27,841.51	27,841.51
	60-03-05-00-0	2013	25400	600305000, Universities and Institutes	0.00	0.00	122,999.70	122,999.70
	AGRCRADA20110001			CHAGRCRADA20110001				
	AGRWF020100001		25400	600305000, Universities and Institutes	0.00	0.00	10,832.11	10,832.11
	AGRWF020110001			CHAGRWF020110001	0.00	0.00	29,000.00	29,000.00
TOTAL B&R REPORTING 60-03-05-00-0				0.00	0.00	162,831.81	162,831.81	162,831.81

CHICAGO OPERATIONS OFFICE  
FY 2013 APPROVED FUNDING PROGRAM NO. 1  
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359  
COMMENTS

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FT	B&R REPORTING	BUDGET REFERENCE NUMBER	ORDER NUMBER	OPI	CC	PROGRAM TASK
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