

2. AMENDMENT/MODIFICATION NO. 0148	3. EFFECTIVE DATE 10/24/2014	4. REQUISITION/PURCHASE REQ. NO. 15SC000138	5. PROJECT NO. (If applicable)
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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) 	CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) FERMI RESEARCH ALLIANCE, LLC Attn: KAREN BORMANN FERMI RESEARCH ALLIANCE, LLC PINE ST. AND KIRK RD, MS-213 BATAVIA IL 605105011	(x)	9A. AMENDMENT OF SOLICITATION NO.
		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: \$77,027,242.65
SEE APPROVED FUNDING PROGRAM NO. 1; ATTACHED - DATED 10/23/2014

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 I. 119 - DEAR 970.5232-4, OBLIGATION OF FUNDS (DEC 2000)
	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.)
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 \$77,027,242.65, from a total of \$3,340,338,835.28, to a total of \$3,417,366,077.93.
FOB: Destination
Period of Performance: 01/01/2007 to 12/31/2016

Except as provided herein, all terms and conditions of the document referenced in Item 9 A 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) Karen E. Ade
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 10/24/2014

CHICAGO OPERATIONS OFFICE
FY 2015 APPROVED FUNDING PROGRAM NO. 1
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
SUMMARY

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BUDGET AUTHORITY (BA)					
	BEGINNING	NEW BA			TOTAL
	UNCODED	PREVIOUS	CHANGE	REVISED	AVAILABLE
	OBLIGATIONS				
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OPERATING EXPENSES	0.00	0.00	59,067,312.00	59,067,312.00	59,067,312.00
CAPITAL EQUIPMENT	0.00	0.00	3,762,000.00	3,762,000.00	3,762,000.00
CONSTRUCTION	0.00	0.00	14,057,500.00	14,057,500.00	14,057,500.00
REIMBURSABLE WORK	0.00	0.00	140,430.65	140,430.65	140,430.65
GRAND TOTAL	0.00	0.00	77,027,242.65	77,027,242.65	77,027,242.65
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 * Certification of Funds Availability: *
 *  *
 * _____ Date _____ *
 * *****

CHICAGO OPERATIONS OFFICE
FY 2015 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	2015	General Science and Research Activities, Oper						
WA	39-KA-00-00-0	PRN11SC41000	39KA000000PRN11SC41000, Muon to Electron Conversion Experiment	0.00	0.00	4,932,500.00	4,932,500.00	4,932,500.00
ZW	60-00-00-00-0		600000000 - Cost Of Reimbursable And Cooperative Work - Non-	0.00	0.00	140,430.65	140,430.65	140,430.65
WA	FS-10-00-00-0		FS1000000 - Safeguards and Security - Science	0.00	0.00	678,000.00	678,000.00	678,000.00
	KA-00-00-00-0		KA0000000, High Energy Physics	0.00	0.00	71,157,000.00	71,157,000.00	71,157,000.00
	KB-00-00-00-0		KB0000000 - Nuclear Physics	0.00	0.00	50,312.00	50,312.00	50,312.00
	KC-00-00-00-0		KC0000000, Basic Energy Sciences	0.00	0.00	69,000.00	69,000.00	69,000.00

CHICAGO OPERATIONS OFFICE
FY 2015 APPROVED FUNDING PROGRAM NO. 1
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
DETAIL

				BUDGET AUTHORITY (BA)				
FT	B&R REPORTING/BUD REF NUM	APPR YEAR	OBJ CLASS	BEGINNING	NEW BA			TOTAL AVAILABLE
				UNCOMMITTED OBLIGATIONS	PREVIOUS	CHANGE	REVISED	
OPERATING EXPENSES								
WA	FS-10-01-00-0	2015	25400 FS1001000, Protective Forces	0.00	0.00	326,000.00	326,000.00	326,000.00
	FS-10-02-00-0	2015	25400 FS1002000, Security Systems	0.00	0.00	119,000.00	119,000.00	119,000.00
	FS-10-05-00-0	2015	25400 FS1005000, Cyber Security	0.00	0.00	180,000.00	180,000.00	180,000.00
	FS-10-07-00-0	2015	25400 FS1007000, Material Control and Accountability	0.00	0.00	13,000.00	13,000.00	13,000.00
	FS-10-09-00-0	2015	25400 FS1009000, Program Management	0.00	0.00	40,000.00	40,000.00	40,000.00
	KA-21-01-02-0	2015	25400 KA2101020, National Laboratories	0.00	0.00	3,941,000.00	3,941,000.00	3,941,000.00
	OPEMIE30YB	2015	25400 KA2101020, National Laboratories	0.00	0.00	1,875,000.00	1,875,000.00	1,875,000.00
	KA-21-02-02-2	2015	25400 KA2102022, CMS Detector and Computing Support	0.00	0.00	5,495,000.00	5,495,000.00	5,495,000.00
	KA-22-01-02-0	2015	25400 KA2201020, National Laboratories	0.00	0.00	3,501,000.00	3,501,000.00	3,501,000.00
	KA-22-02-01-0	2015	25400 KA2202010, Experimental Operations and Support	0.00	0.00	500,000.00	500,000.00	500,000.00
	KA-22-02-02-1	2015	25400 KA2202021, Accelerator Operations	0.00	0.00	11,384,000.00	11,384,000.00	11,384,000.00
	AIP	2015	32003 KA2202021, Accelerator Operations	0.00	0.00	3,025,000.00	3,025,000.00	3,025,000.00
	EQU	2015	31003 KA2202021, Accelerator Operations	0.00	0.00	2,442,000.00	2,442,000.00	2,442,000.00
	KA-22-02-02-2	2015	25400 KA2202022, Detector and Computing	0.00	0.00	5,553,000.00	5,553,000.00	5,553,000.00
	KA-22-02-02-3	2015	32002 KA2202023, Other Complex Support	0.00	0.00	6,100,000.00	6,100,000.00	6,100,000.00
	KA-22-02-81-1	2015	25400 KA2202811, Special Process Spares	0.00	0.00	448,000.00	448,000.00	448,000.00
	KA-22-03-01-1	2015	31001 KA2203011, MIE	0.00	0.00	1,320,000.00	1,320,000.00	1,320,000.00
	EQUUMIE30YC	2015	25400 KA2203011, MIE	0.00	0.00	2,970,000.00	2,970,000.00	2,970,000.00
	OPEMIE30YC	2015	25400 KA2203011, MIE	0.00	0.00	2,970,000.00	2,970,000.00	2,970,000.00
	KA-22-03-01-2	2015	25400 KA2203012, Line Item OPC	0.00	0.00	3,135,000.00	3,135,000.00	3,135,000.00
	KA-22-03-02-0	2015	25400 KA2203020, Future Project R&D	0.00	0.00	4,358,000.00	4,358,000.00	4,358,000.00
	KA-23-01-02-0	2015	25400 KA2301020, National Laboratories	0.00	0.00	1,892,000.00	1,892,000.00	1,892,000.00
	KA-23-02-01-0	2015	25400 KA2302010, Experimental Operations and Support	0.00	0.00	591,000.00	591,000.00	591,000.00
	KA-24-01-01-2	2015	25400 KA2401012, National Laboratories	0.00	0.00	1,953,000.00	1,953,000.00	1,953,000.00
	KA-24-01-02-1	2015	25400 KA2401021, Scientific Discovery through Advanced Computing (0.00	0.00	356,000.00	356,000.00	356,000.00
	KA-24-01-02-2	2015	25400 KA2401022, Scientific Computing	0.00	0.00	195,000.00	195,000.00	195,000.00
	KA-24-03-01-3	2015	25400 KA2403013, Other Projects	0.00	0.00	157,000.00	157,000.00	157,000.00
	KA-25-01-01-2	2015	25400 KA2501012, National Laboratories	0.00	0.00	2,340,000.00	2,340,000.00	2,340,000.00
	KA-25-01-02-1	2015	25400 KA2501021, LHC Accelerator Research	0.00	0.00	1,094,000.00	1,094,000.00	1,094,000.00
	KA-25-01-02-2	2015	25400 KA2501022, Muon Accelerators	0.00	0.00	1,140,000.00	1,140,000.00	1,140,000.00
	KA-25-01-03-2	2015	25400 KA2501032, National Laboratories	0.00	0.00	1,709,000.00	1,709,000.00	1,709,000.00
	KA-25-02-01-0	2015	25400 KA2502010, Accelerator Infrastructure and Test Facilities	0.00	0.00	2,686,000.00	2,686,000.00	2,686,000.00
	KA-25-02-02-0	2015	25400 KA2502020, Detector Infrastructure and Test Facilities	0.00	0.00	997,000.00	997,000.00	997,000.00
	KB-02-01-02-2	2015	25400 KB0201022, Other National Laboratory Research	0.00	0.00	4,933.00	4,933.00	4,933.00
	KB-03-01-02-0	2015	25400 KB0301020, National Laboratory Research	0.00	0.00	45,379.00	45,379.00	45,379.00
	KC-04-01-02-0	2015	25400 KC0401020, Advanced Photon Source (ANL)	0.00	0.00	30,000.00	30,000.00	30,000.00
	KC-04-01-04-0	2015	25400 KC0401040, National Synchrotron Light Source II (BNL)	0.00	0.00	30,000.00	30,000.00	30,000.00
	KC-04-06-02-0	2015	25400 KC0406020, Accelerator and Detector Research	0.00	0.00	9,000.00	9,000.00	9,000.00

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 FY 2015 APPROVED FUNDING PROGRAM NO. 1
 CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
 DETAIL

		BUDGET AUTHORITY (BA)				
FT	B&R REPORTING APPR YEAR PROGRAM TASK NUMBER BUDGET REFERENCE NUMBER/OBJ CLASS	BEGINNING UNCOSTED OBLIGATIONS	PREVIOUS	NEW BA CHANGE	REVISED	TOTAL AVAILABLE
CONSTRUCTION						
=====						
WA	39-KA-00-00-0 2015 39KA00000PRN11SC41000, Muon to Electron Conversion Experimen PRN11SC41000/32001	0.00	0.00	4,932,500.00	4,932,500.00	4,932,500.00

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FY 2015 APPROVED FUNDING PROGRAM NO. 1
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
DETAIL

					BUDGET AUTHORITY (BA)				
FT	B&R REPORTING ORDER NUMBER	APPR YEAR	CLASS	OBJ	BEGINNING UNCORRECTED OBLIGATIONS	PREVIOUS	NEW BA CHANGE	REVISED	TOTAL AVAILABLE
REIMBURSABLE WORK									
2W	60-03-03-00-0	2015	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRWF020130011			CHAGRWF020130011	0.00	0.00	4,998.95	4,998.95	4,998.95
	AGRWF020130014			CHAGRWF020130014	0.00	0.00	119,796.12	119,796.12	119,796.12
	AGRWF020140003			CHAGRWF020140003	0.00	0.00	15,635.58	15,635.58	15,635.58
				TOTAL B&R REPORTING 60-03-03-00-0	0.00	0.00	140,430.65	140,430.65	140,430.65