

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7		
<b>COSTED BL13-012 12 GeV CR12-040,13-001D,03,08,09,02,04,05,12</b>																				
<b>1.4 CONSTRUCTION UPGRADE HALLS A, B, &amp; C</b>																				
<b>1.4.3 CONSTRUCTION HALL C</b>																				
<b>1.4.3.1 MAGNET</b>																				
<b>1.4.3.1.1 HB MAGNET</b>																				
14311000M	12 GEV BL13-01...		HB- Award Contract for HB Mag	14-Oct-09*	30-Sep-14	246.00	\$202,825	81.32	\$965,757	\$1,205,668	\$37,086	99.00								
14311002	12 GEV BL13-01...		HB- Contractor Expenses (FROZEN by CR10-063)	14-Oct-09	10-Nov-09	4.00	\$0	0.00	\$18,679	\$18,679	\$0	71.80								
14311005	12 GEV BL13-01...		HB- Finalise Dsgn for HB Mag (FROZEN by CR10-063)	14-Oct-09	27-Apr-10	26.00	\$0	0.00	\$92,438	\$96,833	\$4,395	49.80								
14311010	12 GEV BL13-01...		HB- Dsgn Review of HB Mag (FROZEN by CR10-063)	28-Apr-10	04-May-10	1.00	\$2,634	1.00	\$0	\$4,832	\$2,198	49.80								
14311015	12 GEV BL13-01...		HB- Insulate Superconductor (FROZEN by CR10-063)	05-May-10	02-Jun-10	4.00	\$0	0.00	\$13,185	\$13,185	\$0	49.80								
14311066	12 GEV BL13-01...		HB-Arrival Test @ Jlab	30-Dec-13	28-Jan-14	4.00	\$15,246	6.00	\$0	\$15,246	\$0	45.20								
14311071	12 GEV BL13-01...		HB Drawing Validation	31-Oct-13	02-Apr-14	20.00	\$23,861	12.00	\$0	\$23,861	\$0	59.60								
14311072	12 GEV BL13-01...		HB Site Inspections FY12	03-Jan-12	28-Sep-12	37.80	\$0	0.00	\$0	\$2,371	\$2,371	86.80								
14311072a	12 GEV BL13-01...		HB Site Inspections FY13	01-Oct-12	28-Jun-13	36.80	\$0	0.00	\$0	\$2,382	\$2,382	86.80								
14311073	12 GEV BL13-01...		HB Design Reviews FY11	05-May-11	30-Sep-11	20.80	\$2,261	0.83	\$0	\$4,148	\$1,887	45.60								
14311073a	12 GEV BL13-01...		HB Design Reviews FY12	03-Oct-11	31-Oct-11	4.20	\$471	0.17	\$0	\$864	\$393	45.60								
14311075	12 GEV BL13-01...		HB Retest at Jlab	26-Jun-14	24-Jul-14	4.00	\$0	0.00	\$0	\$0	\$0	25.40								
14311080	12 GEV BL13-01...		Reverse Entry - Change Request 10-063	01-Jul-10	01-Jul-10	0.20	(\$2,634)	-1.00	(\$124,303)	(\$133,530)	(\$6,593)	45.80								
14311082	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #1 Preliminary Design Review	02-Jul-10	29-Oct-10	16.80	\$0	0.00	\$13,521	\$13,521	\$0	45.60								
14311082a	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #2 HB Analysis Complete	02-Jul-10	28-Feb-11	32.00	\$0	0.00	\$146,795	\$146,795	\$0	45.60								
14311082b	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #3 Intermediate Design Review	02-Jul-10	30-Jun-11	49.40	\$0	0.00	\$175,768	\$175,768	\$0	45.60								
14311084	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #4 Final Design Review	02-Jul-10	31-Oct-11	66.40	\$0	0.00	\$169,973	\$169,973	\$0	45.60								
14311086	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #5a HB Cold Mass Complete	02-Jul-10	29-Feb-12	81.80	\$0	0.00	\$81,838	\$81,838	\$0	45.60								
14311086a	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #5b HB Cold Mass Complete	01-Jul-11	29-Feb-12	32.40	\$0	0.00	\$34,053	\$34,053	\$0	45.40								
14311086b	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #6 Cryostat and Materials Certifications Complete	01-Jul-11	29-Jun-12	49.40	\$0	0.00	\$90,781	\$90,781	\$0	45.40								
14311086c	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #7a HB Magnet Cryostated	01-Jul-11	31-Oct-12	66.80	\$0	0.00	\$64,096	\$64,096	\$0	45.40								
14311086d	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #7b HB Magnet Cryostated	02-Apr-12	31-Oct-12	30.00	\$0	0.00	\$19,924	\$19,924	\$0	45.40								
14311086f	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #8 Magnet Complete	02-Apr-12	28-Feb-13	45.20	\$0	0.00	\$61,808	\$61,808	\$0	45.40								
14311086g	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #9 HB Tested and Mapped at MSU and delivery to JLab	02-Apr-12	28-Jun-13	62.20	\$0	0.00	\$45,391	\$45,391	\$0	45.40								
14311086h	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #10 HB Installed, Safety Review, ready for retest at JLab	02-Apr-12	30-Oct-13	79.40	\$0	0.00	\$28,973	\$28,973	\$0	45.40								
14311086j	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #11 RE-Test at JLab	02-Apr-12	28-Feb-14	94.80	\$0	0.00	\$19,315	\$19,315	\$0	45.40								
14311086k	12 GEV BL13-01...		Vend Fab HB Magnet Peg Point #12 HB Acceptance	02-Apr-12	30-May-14	107.60	\$0	0.00	\$13,521	\$13,521	\$0	45.40								
14311087	12 GEV BL13-01...		HB- Factory Mag Test of HB Mag	24-Oct-13	20-Dec-13	8.00	\$4,883	2.00	\$0	\$7,297	\$2,415	62.60								
143118P1LOE	12 GEV BL13-01...		HB Contract Mngmnt for HB Mag	14-Oct-09	30-Sep-10	47.80	\$37,198	16.00	\$0	\$41,593	\$4,395	99.00								
143118P2LOE	12 GEV BL13-01...		HB Contract Mngmnt for HB Mag	01-Oct-10	30-Sep-11	49.60	\$30,914	12.00	\$0	\$35,450	\$4,535	99.00								
143118P3LOE	12 GEV BL13-01...		HB Contract Mngmnt for HB Mag	03-Oct-11	30-Dec-11	11.60	\$7,491	2.82	\$0	\$8,590	\$1,099	99.00								
143118P3LOI	12 GEV BL13-01...		HB Contract Mngmnt for HB Mag	03-Jan-12	28-Sep-12	37.80	\$25,329	9.50	\$0	\$31,329	\$6,000	99.00								
143118P4LOE	12 GEV BL13-01...		HB Contract Mngmnt for HB Mag	01-Oct-12	30-Sep-13	49.60	\$32,921	12.00	\$0	\$40,660	\$7,739	99.00								
143118P5LOE	12 GEV BL13-01...		HB Contract Mngmnt for HB Mag	01-Oct-13	30-Sep-14	49.60	\$22,249	8.00	\$0	\$26,119	\$3,870	99.00								
<b>1.4.3.1.2 Q-1 QUADRUPOLE</b>																				
14312000M	12 GEV BL13-01...		Q1- Award Contract for Q1	16-Mar-09*	25-Jun-14	272.20	\$442,023	169.16	\$1,085,884	\$1,578,997	\$51,090	47.80								
14312002	12 GEV BL13-01...		Q1- Contractor Expenses (Frozen and Reversed by Activity 14312011 per CR 09-041)	16-Mar-09	10-Apr-09	4.00	\$0	0.00	\$20,232	\$20,232	\$0	24.00								
14312005	12 GEV BL13-01...		Q1- Final Dsgn Review	19-Sep-11	23-Sep-11	1.00	\$4,585	2.00	\$0	\$9,121	\$4,535	153.60								
14312010	12 GEV BL13-01...		Q1- Finalize Dsgn of Q1 First Phase (Frozen and Reversed by Activity 14312011 per C...	16-Mar-09	30-Apr-09	6.65	\$0	0.00	\$0	\$2,228	\$2,228	21.35								
14312010a	12 GEV BL13-01...		Q1- Finalize Dsgn of Q1 " Final Phase" (Frozen and Reversed by Activity 14312011 per ...	17-Jun-09	31-Jul-09	6.40	\$0	0.00	\$0	\$1,437	\$1,437	8.40								
14312011	12 GEV BL13-01...		Reverse Entry for Activities 14312002, 14312010 and 14312010a per CR 09-041	03-Aug-09	03-Aug-09	0.20	\$0	0.00	(\$20,232)	(\$23,896)	(\$3,665)	8.20								
14312015	12 GEV BL13-01...		Vend Fab Q1 Procure Materials	03-Aug-09	14-Aug-09	2.00	\$0	0.00	\$108,588	\$108,588	\$0	258.20								
14312020	12 GEV BL13-01...		Vend Fab Q1 Completion of Magnetic and Stress Analysis	03-Aug-09	12-Feb-10	26.00	\$0	0.00	\$54,294	\$54,294	\$0	234.20								
14312025	12 GEV BL13-01...		Vend Fab Q1 Completion of Trial Wind	03-Aug-09	15-Mar-10	30.00	\$0	0.00	\$54,294	\$54,294	\$0	230.20								
14312032	12 GEV BL13-01...		Vend Fab Q1 Completion of Preliminary Design Review	03-Aug-09	14-Jul-10	47.00	\$0	0.00	\$108,588	\$108,588	\$0	213.20								
14312034	12 GEV BL13-01...		Reverse Entry for activities 14312036,14312040,14312041 and 14312045 per CR12-003)	01-Nov-11	07-Nov-11	1.00	\$0	0.00	(\$380,059)	(\$380,059)	\$0	44.20								
14312036	12 GEV BL13-01...		Vend Fab Q1 Completion of Cold Mass Components (Frozen Per CR12-003)	03-Aug-09	29-Apr-11	86.20	\$0	0.00	\$54,294	\$54,294	\$0	174.00								
14312038	12 GEV BL13-01...		Vend Fab Q1 Completion of Cold Mass Components (Revised Per CR12-003)	01-Nov-11	30-Dec-11	7.40	\$0	0.00	\$108,588	\$108,588	\$0	108.80								
14312040	12 GEV BL13-01...		Vend Fab Q1 Completion of Cold Mass Assembly (Frozen Per CR12-003)	03-Aug-09	29-Jul-11	98.80	\$0	0.00	\$108,588	\$108,588	\$0	153.60								

■ Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14312040a	12 GEV BL13-01...		Vend Fab Q1 Completion of Cold Mass Assembly (Revised Per CR12-003)	01-Nov-11	31-May-12	28.40	\$0	0.00	\$54,294	\$54,294	\$0	108.80							
14312040d	12 GEV BL13-01...		Vend Fab Q1 Completion of Cold Mass Testing	01-Nov-11	28-Sep-12	45.20	\$0	0.00	\$54,294	\$54,294	\$0	108.80							
14312041	12 GEV BL13-01...		Vend Fab Q1 Warm Testing Complete (Frozen Per CR12-003)	03-Aug-09	31-Aug-11	103.40	\$0	0.00	\$108,588	\$108,588	\$0	155.80							
14312041a	12 GEV BL13-01...		Vend Fab Q1 Warm Testing Complete (Revised Per CR12-003)	01-Nov-11	29-Jun-12	32.40	\$0	0.00	\$54,294	\$54,294	\$0	108.80							
14312042	12 GEV BL13-01...		Vend Fab Q1 Completion of Final Design Review	03-Aug-09	31-Mar-11	82.00	\$0	0.00	\$54,294	\$54,294	\$0	178.20							
14312045	12 GEV BL13-01...		Vend Fab Q1 Completion of Cryostat Components (Frozen Per CR12-003)	03-Aug-09	30-Jun-11	94.80	\$0	0.00	\$108,588	\$108,588	\$0	165.40							
14312045a	12 GEV BL13-01...		Vend Fab Q1 Completion of Cryostat Components (Revised Per CR12-003)	01-Nov-11	31-May-12	28.40	\$0	0.00	\$108,588	\$108,588	\$0	108.80							
14312046	12 GEV BL13-01...		Vend Fab Q1 Completion of Cryostat Assembly	03-Aug-09	28-Feb-13	176.80	\$0	0.00	\$54,294	\$54,294	\$0	61.80							
14312047	12 GEV BL13-01...		Vend Fab Q1 Completion of Magnet Assembly	03-Aug-09	30-Apr-13	185.40	\$0	0.00	\$54,294	\$54,294	\$0	61.80							
14312048	12 GEV BL13-01...		Vend Fab Q1 Completion of Factory Tests by Vendor	03-Aug-09	28-Jun-13	193.80	\$0	0.00	\$54,294	\$54,294	\$0	61.80							
14312050	12 GEV BL13-01...		Vend Fab Q1 Magnet System Delivery	03-Aug-09	31-Jul-13	198.20	\$0	0.00	\$54,294	\$54,294	\$0	61.80							
14312050a	12 GEV BL13-01...		Q1 Cooldown and Acceptance Test	07-May-14	18-Jun-14	6.00	\$9,458	4.00	\$0	\$9,458	\$0	25.40							
14312050b	12 GEV BL13-01...		Q1 Harmonic Coil Test	19-Jun-14	25-Jun-14	1.00	\$3,812	1.50	\$0	\$3,812	\$0	29.80							
14312050c	12 GEV BL13-01...		Vend Fab Q1 Magnet Acceptance	03-Aug-09	30-Sep-13	206.60	\$0	0.00	\$108,588	\$108,588	\$0	61.80							
14312050d	12 GEV BL13-01...		Q1 Drawing Validation	06-Dec-13	06-May-14	20.00	\$23,861	12.00	\$0	\$23,861	\$0	54.80							
14312051M	12 GEV BL13-01...		Q1 Acceptance Test Complete		18-Jun-14	0.00	\$0	0.00	\$0	\$0	\$0	30.80							
14312052M	12 GEV BL13-01...		Factory Low Current Mag Test of Q1 Complete		31-Aug-11	0.00	\$0	0.00	\$0	\$0	\$0	155.80							
14312053M	12 GEV BL13-01...		Q1 Delivered to JLab		05-Dec-13*	0.00	\$0	0.00	\$0	\$0	\$0	44.40							
14312055	12 GEV BL13-01...		Pay Profit on Q1	19-Jun-14	19-Jun-14	0.20	\$0	0.00	\$0	\$0	\$0	38.60							
143128P1LOE	12 GEV BL13-01...		Q1- P-1 Contract Mngmnt for Q1	16-Mar-09	30-Sep-09	28.00	\$10,048	4.50	\$0	\$12,604	\$2,556	73.80							
143128P2LOE	12 GEV BL13-01...		Q1- P-2 Contract Mngmnt for Q1	01-Oct-09	30-Sep-10	49.60	\$37,198	16.00	\$0	\$50,383	\$13,185	73.80							
143128P3LOE	12 GEV BL13-01...		Q1- P-3 Contract Mngmnt for Q1	01-Oct-10	30-Sep-11	49.60	\$28,196	11.00	\$0	\$37,267	\$9,071	73.80							
143128P4LOE	12 GEV BL13-01...		Q1- P-4 Contract Mngmnt for Q1	03-Oct-11	28-Sep-12	49.40	\$29,097	11.00	\$0	\$38,457	\$9,360	73.80							
143128P5LOE	12 GEV BL13-01...		Q1- P-5 Contract Mngmnt for Q1	01-Oct-12	30-Sep-13	49.60	\$30,026	11.00	\$0	\$42,409	\$12,383	73.80							
14312909LOE	12 GEV BL13-01...		Q1- FY09 Proj Mngmnt H-C upgrade	02-Jan-09	30-Sep-09	37.80	\$21,665	8.43	\$0	\$21,665	\$0	50.00							
14312910LOE	12 GEV BL13-01...		Q1- FY10 Proj Mngmnt H-C upgrade	01-Oct-09	30-Sep-10	49.60	\$58,194	21.94	\$0	\$58,194	\$0	50.00							
14312911LOE	12 GEV BL13-01...		Q1- FY11 Proj Mngmnt H-C upgrade	01-Oct-10	30-Sep-11	49.60	\$60,054	21.94	\$0	\$60,054	\$0	50.00							
14312912LOE	12 GEV BL13-01...		Q1- FY12 Proj Mngmnt H-C upgrade	03-Oct-11	28-Sep-12	49.40	\$61,713	21.85	\$0	\$61,713	\$0	50.00							
14312913LOE	12 GEV BL13-01...		Q1- FY13 Proj Mngmnt H-C upgrade	01-Oct-12	30-Sep-13	49.60	\$64,117	22.00	\$0	\$64,117	\$0	50.00							
<b>1.4.3.1.3 Q2-Q3 QUADRUPOLE</b>				<b>14-Dec-09</b>	<b>09-Mar-15</b>	<b>258.60</b>	<b>\$166,789</b>	<b>66.25</b>	<b>\$2,980,000</b>	<b>\$3,224,303</b>	<b>\$77,514</b>	<b>48.80</b>							
14313000M	12 GEV BL13-01...		Q2&3- Award Contract for SHMS Q2/Q3 quadrupoles	18-Oct-10*		0.00	\$0	0.00	\$0	\$0	\$0	0.00							
14313002	12 GEV BL13-01...		Q2&3- Contractor Expenses	18-Oct-10	12-Nov-10	4.00	\$0	0.00	\$75,967	\$75,967	\$0	75.80							
14313002a	12 GEV BL13-01...		Reverse Entry per CR 11-017	01-Dec-10	07-Dec-10	1.00	\$0	0.00	(\$75,967)	(\$75,967)	\$0	80.80							
14313005	12 GEV BL13-01...		Q2&3- Finalize Dsgn for Q2/Q3 Mags Original Expenses	15-Nov-10	30-Nov-10	2.00	\$0	0.00	\$0	\$597	\$597	75.80							
14313006	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #1 Intermediate Design Review	07-Dec-10	30-Jun-11	27.80	\$0	0.00	\$158,700	\$158,700	\$0	60.00							
14313010	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #2a Final Design Review	07-Dec-10	30-Dec-11	52.20	\$0	0.00	\$441,300	\$441,300	\$0	60.00							
14313015	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #2b Final Design Review	01-Apr-11	30-Dec-11	37.20	\$0	0.00	\$48,400	\$48,400	\$0	60.00							
14313017	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #3 Cryostat Component Complete	01-Apr-11	30-Apr-12	53.80	\$0	0.00	\$432,250	\$432,250	\$0	60.00							
14313018	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #4a Cold Mass Fiducialization	01-Apr-11	28-Sep-12	75.00	\$0	0.00	\$319,350	\$319,350	\$0	60.00							
14313019	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #4b Cold Mass Fiducialization	02-Apr-12	28-Sep-12	25.40	\$0	0.00	\$112,900	\$112,900	\$0	60.00							
14313019a	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #5 Shipment	02-Apr-12	31-Jul-13	66.60	\$0	0.00	\$1,321,000	\$1,321,000	\$0	60.00							
14313019b	12 GEV BL13-01...		Vend Fab Q2&3 Peg Point #6 Final Acceptance	02-Apr-12	31-Jan-14	91.00	\$0	0.00	\$146,100	\$146,100	\$0	67.60							
14313020	12 GEV BL13-01...		PDR/IDR Site Inspection	03-Jun-11	30-Jun-11	4.00	\$2,718	1.00	\$0	\$13,510	\$10,792	60.00							
14313030	12 GEV BL13-01...		FDR Site Inspection	28-Nov-11	30-Dec-11	4.00	\$2,805	1.00	\$0	\$12,165	\$9,360	60.00							
14313220	12 GEV BL13-01...		Q2 and Q3 Coil Inspection	03-Apr-12	30-Apr-12	4.00	\$2,805	1.00	\$0	\$7,485	\$4,680	154.40							
14313230	12 GEV BL13-01...		Q2 and Q3- Insp Cold Mass	18-Sep-13	15-Oct-13	4.00	\$2,894	1.00	\$0	\$7,724	\$4,829	81.40							
14313235	12 GEV BL13-01...		Q2 and Q3 witness Pressure Tests	09-Sep-14	06-Oct-14	4.00	\$0	0.00	\$0	\$4,829	\$4,829	68.80							
14313270M	12 GEV BL13-01...		Q2 and Q3 Contract complete		09-Mar-15	0.00	\$0	0.00	\$0	\$0	\$0	13.20							
14313275	12 GEV BL13-01...		Q2&Q3 Drawing Validation	07-Oct-14	09-Mar-15	20.00	\$23,861	12.00	\$0	\$23,861	\$0	13.20							
14313P1LOE	12 GEV BL13-01...		Q2&3- P-1 Contract Mngmnt for Q2-3	14-Dec-09	30-Sep-10	39.60	\$18,599	8.00	\$0	\$24,093	\$5,494	67.60							
14313P2LOE	12 GEV BL13-01...		Q2&3- P-2 Contract Mngmnt for Q2-3	01-Oct-10	30-Sep-11	49.60	\$33,632	13.00	\$0	\$44,971	\$11,338	67.60							
14313P3LOE	12 GEV BL13-01...		Q2&3- P-3 Contract Mngmnt for Q2-3	03-Oct-11	28-Sep-12	49.40	\$34,706	13.00	\$0	\$41,726	\$7,020	67.60							
14313P4LOE	12 GEV BL13-01...		Q2&3- P-4 Contract Mngmnt for Q2-3	01-Oct-12	30-Sep-13	49.60	\$35,815	13.00	\$0	\$48,198	\$12,383	67.60							
14313P5LOE	12 GEV BL13-01...		Q2&3- P-5 Contract Mngmnt for Q2-3	01-Oct-13	31-Jan-14	16.00	\$8,954	3.25	\$0	\$15,145	\$6,191	67.60							
<b>1.4.3.1.4 DIPOLE</b>				<b>14-Dec-09</b>	<b>29-Apr-14</b>	<b>216.40</b>	<b>\$164,938</b>	<b>66.00</b>	<b>\$1,978,535</b>	<b>\$2,207,490</b>	<b>\$64,017</b>	<b>120.40</b>							

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14314000M5	12 GEV BL13-01...		Dipole- Award Contract for SHMS Dipole Mag	02-Aug-10*		0.00	\$0	0.00	\$0	\$0	\$0	0.00							
14314002	12 GEV BL13-01...		Dipole- Finalize Dsgn for Dipole Mag (Original Expenses)	02-Aug-10	31-Aug-10	4.40	\$0	0.00	\$0	\$859	\$859	52.60							
14314003	12 GEV BL13-01...		Dipole- Contractor Expenses	02-Aug-10	27-Aug-10	4.00	\$0	0.00	\$59,334	\$59,334	\$0	48.60							
14314003a	12 GEV BL13-01...		Dipole Contractor Expenses - Reverse Entry	30-Sep-10	30-Sep-10	0.20	\$0	0.00	(\$59,334)	(\$59,334)	\$0	48.60							
14314004	12 GEV BL13-01...		Vend Fab Dipole Intermediate Design Review Peg Point #1	30-Sep-10	31-May-11	32.60	\$0	0.00	\$97,500	\$97,500	\$0	48.60							
14314010	12 GEV BL13-01...		Vend Fab Dipole Coil Tooling Delivered Peg Point #2	30-Sep-10	30-Sep-11	49.80	\$0	0.00	\$461,520	\$461,520	\$0	48.60							
14314012	12 GEV BL13-01...		Vend Fab Dipole Final Design Review Peg Point #3	30-Sep-10	28-Oct-11	53.80	\$0	0.00	\$97,500	\$97,500	\$0	48.60							
14314015	12 GEV BL13-01...		Vend Fab Dipole Second Coil Wind Peg Point #4a	30-Sep-10	30-Mar-12	73.80	\$0	0.00	\$43,480	\$43,480	\$0	48.60							
14314020	12 GEV BL13-01...		Vend Fab Dipole Second Coil Wind Peg Point #4b	01-Apr-11	30-Mar-12	49.60	\$0	0.00	\$348,450	\$348,450	\$0	48.60							
14314025	12 GEV BL13-01...		Vend Fab Dipole Outer Vessel Completed Peg Point #5a	01-Apr-11	31-May-12	58.20	\$0	0.00	\$251,550	\$251,550	\$0	48.60							
14314027	12 GEV BL13-01...		Vend Fab Dipole Outer Vessel Completed Peg Point #5b	02-Apr-12	31-May-12	8.60	\$0	0.00	\$185,325	\$185,325	\$0	48.60							
14314030	12 GEV BL13-01...		Vend Fab Dipole Factory Test Completed Peg Point #6	02-Apr-12	28-Feb-13	45.20	\$0	0.00	\$333,300	\$333,300	\$0	48.60							
14314030a	12 GEV BL13-01...		Dipole Magnet Shipping	01-Mar-13	11-Apr-13	6.00	\$0	0.00	\$0	\$0	\$0	48.60							
14314035	12 GEV BL13-01...		Vend Fab Dipole Magnet Accepted Peg Point #7	02-Apr-12	30-Sep-13	75.00	\$0	0.00	\$159,910	\$159,910	\$0	51.60							
14314035a	12 GEV BL13-01...		Dipole HC Test	23-Apr-14	29-Apr-14	1.00	\$7,623	3.00	\$0	\$7,623	\$0	23.40							
14314036	12 GEV BL13-01...		Dipole- Intermediate Design Review	03-May-11	31-May-11	4.00	\$2,718	1.00	\$0	\$7,253	\$4,535	48.60							
14314040	12 GEV BL13-01...		Dipole Drawing Validation	20-Nov-13	07-Apr-14	17.80	\$23,861	12.00	\$0	\$23,861	\$0	48.60							
14314045	12 GEV BL13-01...		Dipole- Final Design Review	03-Oct-11	28-Oct-11	4.00	\$2,805	1.00	\$0	\$7,485	\$4,680	48.60							
14314047	12 GEV BL13-01...		Dipole Inspect Coil	05-Mar-12	30-Mar-12	4.00	\$2,805	1.00	\$0	\$7,485	\$4,680	96.40							
14314048	12 GEV BL13-01...		Dipole Inspect Cold Mass	12-Apr-13	09-May-13	4.00	\$2,894	1.00	\$0	\$7,724	\$4,829	75.60							
14314049	12 GEV BL13-01...		Dipole Witness Final Factory Tests	11-Sep-13	08-Oct-13	4.00	\$2,894	1.00	\$0	\$7,724	\$4,829	72.40							
14314050M	12 GEV BL13-01...		Dipole Ready for Installation	20-Nov-13		0.00	\$0	0.00	\$0	\$0	\$0	17.60							
14314051M	12 GEV BL13-01...		Dipole Contract Complete	08-Apr-14		0.00	\$0	0.00	\$0	\$0	\$0	48.60							
14314P1LOE	12 GEV BL13-01...		Dipole- P-1 Contract Mngmnt for Dipole	14-Dec-09	30-Sep-10	39.60	\$23,867	10.00	\$0	\$32,657	\$8,790	148.60							
14314P2LOE	12 GEV BL13-01...		Dipole- P-2 Contract Mngmnt for Dipole	01-Oct-10	30-Sep-11	49.60	\$33,632	13.00	\$0	\$42,703	\$9,071	148.60							
14314P3LOE	12 GEV BL13-01...		Dipole- P-3 Contract Mngmnt for Dipole	03-Oct-11	28-Sep-12	49.40	\$34,706	13.00	\$0	\$44,066	\$9,360	148.60							
14314P4LOE	12 GEV BL13-01...		Dipole- P-4 Contract Mngmnt for Dipole	01-Oct-12	30-Sep-13	49.60	\$27,132	10.00	\$0	\$39,515	\$12,383	148.60							
<b>1.4.3.1.5 MAGNET COMPONENTS PROCURED BY JLAB</b>				<b>02-Jan-09</b>	<b>02-Jan-14</b>	<b>248.00</b>	<b>\$747,944</b>	<b>331.40</b>	<b>\$5,239,832</b>	<b>\$6,119,575</b>	<b>\$131,799</b>	<b>136.60</b>							
14315000	12 GEV BL13-01...		Design DC Pwr Sys for All Mag (IPL)	15-Dec-09	20-Jan-10	4.00	\$19,916	8.50	\$0	\$19,916	\$0	47.00							
14315002	12 GEV BL13-01...		Bidding Process DC Pwr Sys for HB & Q1 Mag	30-Aug-10	29-Dec-10	16.00	\$0	0.00	\$0	\$0	\$0	47.00							
14315003	12 GEV BL13-01...		Bidding Process DC Pwr Sys for Q2/Q3/Dipole Mag	30-Aug-10	29-Dec-10	16.00	\$0	0.00	\$0	\$0	\$0	47.00							
14315007	12 GEV BL13-01...		Test & Integrate DC Pwr Sys for all magnets	01-Oct-13	02-Jan-14	12.00	\$40,239	17.00	\$0	\$40,239	\$0	16.80							
14315010	12 GEV BL13-01...		Design Superconductor for Q2/3 and Dipole	02-Jan-09	30-Jan-09	4.00	\$12,090	5.30	\$0	\$12,090	\$0	215.00							
14315012	12 GEV BL13-01...		Bidding Process Superconductor for Q2/3 and Dipole	10-Jun-09	05-Aug-09	8.00	\$0	0.00	\$0	\$0	\$0	84.80							
14315015	12 GEV BL13-01...		Procure and Extrude Copper Stabilizer	03-May-10	21-Dec-10	32.40	\$0	0.00	\$214,142	\$214,142	\$0	48.60							
14315015A	12 GEV BL13-01...		Solder SC Cable to Extrusion	06-Aug-10	25-Jan-11	22.60	\$0	0.00	\$181,696	\$181,696	\$0	50.60							
14315015A5	12 GEV BL13-01...		Completion of Solder SC Cable to Extrusion Part A	02-May-11	13-May-11	2.00	\$0	0.00	\$92,000	\$92,000	\$0	50.60							
14315015A5a	12 GEV BL13-01...		Completion of Solder SC Cable to Extrusion Part B	02-May-11	13-May-11	2.00	\$0	0.00	\$15,000	\$15,000	\$0	50.60							
14315015B	12 GEV BL13-01...		Obtain RRR Measurement of Copper Part A	06-Aug-10	25-Jan-11	22.60	\$0	0.00	\$12,500	\$12,500	\$0	48.60							
14315015Ba	12 GEV BL13-01...		Obtain RRR Measurement of Copper Part B	06-Aug-10	25-Jan-11	22.60	\$0	0.00	\$12,500	\$12,500	\$0	48.60							
14315016	12 GEV BL13-01...		Inspect & Ship Superconductor for Q2/3 and Dipole to ReRolling Facility	26-Jan-11	09-Mar-11	6.00	\$24,793	11.00	\$0	\$37,265	\$12,472	48.60							
14315018	12 GEV BL13-01...		ReRoll Superconductor Prototype Run	02-May-11	27-May-11	4.00	\$0	0.00	\$15,000	\$15,000	\$0	48.60							
14315019	12 GEV BL13-01...		ReDraw Superconductor Production Run	04-Jan-12	15-Feb-12	6.00	\$2,805	1.00	\$100,000	\$106,205	\$3,400	53.40							
14315020	12 GEV BL13-01...		Ship Superconductor for Q2/3 and Dipole to Magnet Vendor	31-May-11	27-Jun-11	4.00	\$0	0.00	\$0	\$12,500	\$12,500	48.60							
14315022	12 GEV BL13-01...		Bidding Process Cryo Reservoirs for All Mag	26-May-09	04-Aug-09	10.00	\$0	0.00	\$0	\$0	\$0	79.80							
14315025	12 GEV BL13-01...		Vend Fab Cryo Reservoirs Receipt of Materials less Electric Cylinders and LVDTs	04-Jan-10	29-Jan-10	3.80	\$0	0.00	\$242,300	\$242,300	\$0	60.00							
14315026	12 GEV BL13-01...		Vend Fab Cryo Reservoirs Receipt of Electric Cylinders and LVDTs	04-Jan-10	31-Mar-10	12.20	\$0	0.00	\$134,500	\$134,500	\$0	60.00							
14315027	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#2 & 3 JT Valves and Bayonets Complete	04-Jan-10	31-Aug-10	33.60	\$0	0.00	\$52,000	\$52,000	\$0	60.00							
14315027A	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#2 & 3 Complete	04-Jan-10	30-Dec-10	49.40	\$0	0.00	\$42,000	\$42,000	\$0	60.00							
14315027B	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#2 & 3 Approved Acceptance Test/Shipmt	04-Jan-10	31-Jan-11	53.40	\$0	0.00	\$69,100	\$69,100	\$0	60.00							
14315027C	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#1 Test and Fabrication Documentation	04-Jan-10	28-Feb-11	57.20	\$0	0.00	\$28,000	\$28,000	\$0	60.00							
14315027D	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 JT Valves and Bayonets Complete	04-Jan-10	31-Aug-10	33.60	\$0	0.00	\$78,000	\$78,000	\$0	60.00							
14315027F	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Complete	04-Jan-10	31-Oct-11	91.60	\$0	0.00	\$63,000	\$63,000	\$0	60.00							
14315027G	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Approved Acceptance Test/Shipmt	04-Jan-10	29-Dec-11	98.80	\$0	0.00	\$101,900	\$101,900	\$0	60.00							
14315027H	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Test and Fabrication Documentation	04-Jan-10	31-Jan-12	103.00	\$0	0.00	\$42,100	\$42,100	\$0	60.00							

— Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14315027J	12 GEV BL13-01...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Vendor Change Order	01-Sep-10	01-Sep-10	0.20	\$0	0.00	\$21,000	\$21,000	\$0	129.20							
14315028	12 GEV BL13-01...		Inspect & Ship Cryo Reservoirs for HB & Q1 magnets	01-Feb-11	29-Apr-11	12.60	\$45,713	21.00	\$0	\$54,784	\$9,071	107.20							
14315029	12 GEV BL13-01...		Inspect & Ship Cryo Reservoirs for Q2/3 & Dipole magnets	30-Dec-11	28-Feb-12	8.00	\$64,486	28.00	\$0	\$82,036	\$17,550	60.00							
14315030	12 GEV BL13-01...		Design Instruments & Controls for All Mag FY09	02-Jul-09	30-Sep-09	12.60	\$19,941	8.76	\$0	\$19,941	\$0	79.00							
14315030b	12 GEV BL13-01...		Design Instruments & Controls for All Mag FY10	01-Oct-09	21-May-10	31.40	\$51,283	21.84	\$0	\$51,283	\$0	79.00							
14315031M	12 GEV BL13-01...		Q1 Magnet Vendor Receipt of Cryoresevoir		29-Apr-11	0.00	\$0	0.00	\$0	\$0	\$0	107.20							
14315032	12 GEV BL13-01...		Bidding Process Instruments & Controls for All Mag	24-May-10	28-May-10	1.00	\$0	0.00	\$0	\$0	\$0	79.00							
14315035	12 GEV BL13-01...		Proc Instruments & Controls for HB and Q1 magnets	01-Jun-10	03-Dec-10	26.00	\$0	0.00	\$343,920	\$343,920	\$0	79.00							
14315036	12 GEV BL13-01...		Proc Instruments & Controls for Q2/3 and Dipole magnets Part A	05-Mar-12	05-Sep-12	26.00	\$0	0.00	\$133,000	\$133,000	\$0	52.20							
14315036a	12 GEV BL13-01...		Proc Instruments & Controls for Q2/3 and Dipole magnets Part B	01-Feb-13	15-Apr-13	10.20	\$0	0.00	\$137,243	\$137,243	\$0	52.20							
14315037	12 GEV BL13-01...		Assemble & Test Instruments & Controls Phase 3 FY12	16-Apr-12	28-Sep-12	23.40	\$115,341	52.37	\$0	\$115,341	\$0	52.20							
14315037a	12 GEV BL13-01...		Assemble & Test Instruments & Controls Phase 2 (FY11)	05-May-11	26-Sep-11	20.00	\$69,550	33.00	\$0	\$69,550	\$0	79.00							
14315037b	12 GEV BL13-01...		Assemble & Test Instruments & Controls Phase 3 FY13	01-Oct-12	15-Apr-13	26.20	\$133,269	58.63	\$0	\$133,269	\$0	52.20							
14315038	12 GEV BL13-01...		Assemble & Test Instruments & Controls Phase 1 (FY10)	06-Dec-10	04-May-11	20.00	\$69,550	33.00	\$0	\$69,550	\$0	79.00							
14315042	12 GEV BL13-01...		Bidding Process Iron Yoke for Q2/3 and Dipole	05-Mar-09	25-Jun-09	16.00	\$0	0.00	\$0	\$0	\$0	159.20							
14315043	12 GEV BL13-01...		Dipole Top and Bottom Plates	12-Jan-12	03-Jul-12	24.00	\$0	0.00	\$190,000	\$190,000	\$0	114.00							
14315044LOE	12 GEV BL13-01...		Travel Expenses to Yoke Steel Casting Vendor FY12	01-Feb-12	28-Sep-12	33.80	\$0	0.00	\$0	\$31,530	\$31,530	81.80							
14315044LOI	12 GEV BL13-01...		Travel Expenses to Yoke Steel Casting Vendor FY13	01-Oct-12	28-Feb-13	19.80	\$0	0.00	\$0	\$19,059	\$19,059	81.80							
14315045	12 GEV BL13-01...		Vend Fab Yoke Steel Planning for Dipole, Q2, Q3 Delivered & Accepted	12-Jan-12	30-Mar-12	11.00	\$0	0.00	\$10,000	\$10,000	\$0	33.60							
14315045A	12 GEV BL13-01...		Vend Fab Yoke Steel Receipt of Steel Material Inspected	12-Jan-12	31-May-12	19.60	\$0	0.00	\$262,000	\$262,000	\$0	33.60							
14315045B	12 GEV BL13-01...		Vend Fab Yoke Steel 1st Article: 1st Dipole/Yoke/Casting Inspt/Accept	12-Jan-12	29-Jun-12	23.60	\$0	0.00	\$150,000	\$150,000	\$0	33.60							
14315045C	12 GEV BL13-01...		Vend Fab Yoke Steel SHMS Dipole Casting/ Annealing Comp. Casting Delv/Accept	12-Jan-12	31-Aug-12	32.60	\$0	0.00	\$558,000	\$558,000	\$0	81.80							
14315045D	12 GEV BL13-01...		Vend Fab Yoke Steel SHMS Q3 Cast/Annel Comp. Cast Deliv.Accept	12-Jan-12	31-Oct-12	41.00	\$0	0.00	\$190,000	\$190,000	\$0	81.80							
14315045F	12 GEV BL13-01...		Vend Fab Yoke Steel SHMS Q2 Cast/Annel Comp. Cast Deliv/Accept	12-Jan-12	28-Feb-13	56.20	\$0	0.00	\$128,000	\$128,000	\$0	81.80							
14315046	12 GEV BL13-01...		Large Magnet Yoke Machining	16-Jul-12	28-Jun-13	47.60	\$0	0.00	\$480,000	\$480,000	\$0	33.60							
14315046a	12 GEV BL13-01...		Vend Fab Yoke supports and cylinders	03-Feb-12	24-Jul-12	24.00	\$0	0.00	\$108,350	\$108,350	\$0	67.80							
14315046b	12 GEV BL13-01...		Procure Yoke Hardware	25-Jul-12	17-Oct-12	12.00	\$0	0.00	\$15,000	\$15,000	\$0	67.80							
14315050LOE	12 GEV BL13-01...		Procurement Oversight	01-May-09	30-Sep-09	21.20	\$18,822	8.00	\$0	\$25,070	\$6,249	198.40							
14315050LOI	12 GEV BL13-01...		Procurement Oversight	01-Oct-09	30-Sep-10	49.60	\$19,423	8.00	\$0	\$25,871	\$6,448	198.40							
14315050LOI	12 GEV BL13-01...		Procurement Oversight	01-Oct-10	29-Sep-11	49.40	\$20,042	8.00	\$0	\$26,696	\$6,654	198.40							
14315050LOI	12 GEV BL13-01...		Procurement Oversight FY11	30-Sep-11	30-Sep-11	0.20	\$81	0.03	\$0	\$108	\$27	198.40							
14315050LOEF	12 GEV BL13-01...		Procurement Oversight FY12	03-Oct-11	27-Sep-12	49.20	\$20,599	7.97	\$0	\$27,437	\$6,838	198.40							
14315055	12 GEV BL13-01...		Procure Burnout Resistant Current Leads	03-May-10	28-May-10	4.00	\$0	0.00	\$95,500	\$95,500	\$0	64.40							
14315060	12 GEV BL13-01...		Vend Fab DCPS - Design & Approval	30-Sep-10	28-Feb-11	19.60	\$0	0.00	\$225,000	\$225,000	\$0	47.00							
14315065	12 GEV BL13-01...		Vend Fab DCPS - Materials in-house to start prod: Items 1&2	30-Sep-10	29-Apr-11	28.40	\$0	0.00	\$159,000	\$159,000	\$0	47.00							
14315070	12 GEV BL13-01...		Vend Fab DCPS - Materials in-house to start prod: Items 3,4,&5	30-Sep-10	30-Nov-11	58.00	\$0	0.00	\$245,000	\$245,000	\$0	47.00							
14315075	12 GEV BL13-01...		Vend Fab DCPS - Shipment of Items 1&2	30-Sep-10	29-Feb-12	69.40	\$0	0.00	\$77,000	\$77,000	\$0	47.00							
14315080	12 GEV BL13-01...		Vend Fab DCPS - Arrival Test of Items 1&2	30-Sep-10	31-May-12	82.40	\$0	0.00	\$28,000	\$28,000	\$0	47.00							
14315085	12 GEV BL13-01...		Vend Fab DCPS - Shipment of Items 3,4,&5	30-Sep-10	30-Oct-12	103.60	\$0	0.00	\$117,000	\$117,000	\$0	47.00							
14315090	12 GEV BL13-01...		Vend Fab DCPS - Arrival Test of Items 3,4,&5	30-Sep-10	29-Mar-13	123.20	\$0	0.00	\$53,320	\$53,320	\$0	99.60							
14315095	12 GEV BL13-01...		Vend Fab DCPS -Delivery of Spare Parts & Maintenance Inventory	30-Sep-10	29-Mar-13	123.20	\$0	0.00	\$17,762	\$17,762	\$0	99.60							
<b>1.4.3.2 DETECTOR</b>				01-Oct-09	31-May-13	181.40	\$372,636	185.00	\$599,316	\$1,029,102	\$57,149	76.80							
<b>1.4.3.2.1 WIRE CHAMBERS</b>				01-Oct-09	31-May-13	181.40	\$44,677	19.00	\$71,976	\$116,653	\$0	76.80							
14321000M	12 GEV BL13-01...		Award Contract for Wire Chambs	01-Oct-09		0.00	\$0	0.00	\$0	\$0	\$0	95.80							
14321005	12 GEV BL13-01...		Fab Wire Chambers at University	01-Oct-09	28-Sep-11	98.80	\$0	0.00	\$0	\$0	\$0	95.80							
14321007	12 GEV BL13-01...		Procure Connectors and Components	01-Jul-10	30-Sep-10	12.80	\$0	0.00	\$50,000	\$50,000	\$0	194.60							
14321015M	12 GEV BL13-01...		Test Wire Chambers at University		27-Sep-12	0.00	\$0	0.00	\$0	\$0	\$0	95.80							
143218P1LOE	12 GEV BL13-01...		P-1 Supervise Fab of Wire Chambs	01-Oct-09	30-Sep-10	49.60	\$0	0.00	\$0	\$0	\$0	145.60							
143218P2LOE	12 GEV BL13-01...		P-2 Supervise Fab of Wire Chambs	01-Oct-10	27-Sep-11	49.00	\$30,109	11.00	\$0	\$30,109	\$0	145.60							
14321900	12 GEV BL13-01...		Proc Prep and Fab of Drift Gas Manifold Parts Original	30-Jan-12	31-Jan-12	0.40	\$385	0.20	\$0	\$385	\$0	143.40							
14321900a	12 GEV BL13-01...		Reverse Entry per CR12-022	03-Feb-12	06-Feb-12	0.40	(\$385)	-0.20	\$0	(\$385)	\$0	33.00							
14321900b	12 GEV BL13-01...		Proc Prep and Fab of Drift Gas Manifold Parts Revised per CR12-022	03-Jan-13	31-May-13	20.80	\$3,977	2.00	\$21,976	\$25,953	\$0	76.80							
14321905	12 GEV BL13-01...		Refurbish LVPS	03-Feb-12	24-Jul-12	24.00	\$10,591	6.00	\$0	\$10,591	\$0	102.00							
<b>1.4.3.2.2 HODOSCOPE (Trigger Hodoscopes)</b>				01-Oct-09	30-Sep-11	99.20	\$24,108	12.00	\$0	\$24,108	\$0	145.00							
14322000M	12 GEV BL13-01...		Award Contract for Scintillator Hodoscope Planes	01-Oct-09		0.00	\$0	0.00	\$0	\$0	\$0	145.00							

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14322005M	12 GEV BL13-01...		Award Contract for Quartz Hodoscope Planes	01-Oct-09		0.00	\$0	0.00	\$0	\$0	\$0	145.00							
14322010	12 GEV BL13-01...		Fab 3 Scintillator Planes (incl Supprt) (HODOSCP)	01-Oct-09	30-Sep-11	99.20	\$0	0.00	\$0	\$0	\$0	145.00							
14322013	12 GEV BL13-01...		Detail Quartz Hodoscope Mounts	04-Mar-11	08-Aug-11	22.00	\$24,108	12.00	\$0	\$24,108	\$0	152.60							
14322015	12 GEV BL13-01...		Fab 1 Quartz Hodoscope Plane	01-Oct-09	30-Sep-11	99.20	\$0	0.00	\$0	\$0	\$0	145.00							
<b>1.4.3.2.3 NOBLE GAS CERENKOV</b>				<b>05-Jan-12</b>	<b>31-Jan-13</b>	<b>53.40</b>	<b>\$100,559</b>	<b>58.00</b>	<b>\$79,867</b>	<b>\$194,081</b>	<b>\$13,655</b>	<b>79.60</b>							
14323000M	12 GEV BL13-01...		Award Contract for Noble Gas Cerenkov to University	05-Jan-12		0.00	\$0	0.00	\$0	\$0	\$0	79.60							
14323005	12 GEV BL13-01...		Fab Noble Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	\$51,275	32.92	\$0	\$60,747	\$9,473	79.60							
14323005a	12 GEV BL13-01...		Fab Noble Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	\$22,635	14.08	\$0	\$26,817	\$4,182	79.60							
14323005b	12 GEV BL13-01...		Fab Noble Gas Cerenkov Procurement	05-Jan-12	31-Jan-13	53.40	\$0	0.00	\$53,247	\$53,247	\$0	79.60							
14323010	12 GEV BL13-01...		Design & Build Vacuum Box	05-Jan-12	10-Jul-12	26.00	\$15,244	7.00	\$26,620	\$41,864	\$0	107.00							
143238P1LOE	12 GEV BL13-01...		P-1 Supervise Constrctn of Noble Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	\$7,913	2.80	\$0	\$7,913	\$0	79.60							
143238P1LO	12 GEV BL13-01...		P-1 Supervise Constrctn of Noble Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	\$3,493	1.20	\$0	\$3,493	\$0	79.60							
<b>1.4.3.2.4 HEAVY GAS CERENKOV</b>				<b>06-Jun-11</b>	<b>24-May-13</b>	<b>98.00</b>	<b>\$118,739</b>	<b>54.00</b>	<b>\$101,576</b>	<b>\$220,315</b>	<b>\$0</b>	<b>63.60</b>							
14324000	12 GEV BL13-01...		Engineering & Design Oversight FY11	06-Jun-11	30-Sep-11	16.60	\$13,495	5.89	\$0	\$13,495	\$0	80.00							
14324000a	12 GEV BL13-01...		Engineering & Design Oversight FY12	03-Oct-11	30-Dec-11	11.60	\$9,732	4.11	\$0	\$9,732	\$0	80.00							
14324001	12 GEV BL13-01...		Engineering & Design - Gas System FY11	06-Jun-11	30-Sep-11	16.60	\$23,985	10.44	\$0	\$23,985	\$0	117.80							
14324001a	12 GEV BL13-01...		Engineering & Design - Gas System FY12	03-Oct-11	27-Jan-12	15.20	\$22,664	9.56	\$0	\$22,664	\$0	117.80							
14324003	12 GEV BL13-01...		Fab Gas System Original	30-Jan-12	31-Jan-12	0.40	\$1,210	0.67	\$0	\$1,210	\$0	129.40							
14324003a	12 GEV BL13-01...		Reverse Entry per CR12-022	03-Feb-12	06-Feb-12	0.40	(\$1,210)	-0.67	\$0	(\$1,210)	\$0	33.00							
14324003b	12 GEV BL13-01...		Fab Gas System Revised per CR12-022	04-Mar-13	24-May-13	12.00	\$37,458	20.00	\$82,409	\$119,867	\$0	63.60							
14324010	12 GEV BL13-01...		Ship and Aluminize Mirrors	05-Jan-12	31-Jan-13	53.40	\$0	0.00	\$19,167	\$19,167	\$0	79.60							
143248P1LOE	12 GEV BL13-01...		P-1 Supervise Constrctn of Heavy Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	\$7,913	2.80	\$0	\$7,913	\$0	79.60							
143248P1LO	12 GEV BL13-01...		P-1 Supervise Constrctn of Heavy Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	\$3,493	1.20	\$0	\$3,493	\$0	79.60							
<b>1.4.3.2.5 SHOWER COUNTER</b>				<b>31-May-11</b>	<b>12-Apr-13</b>	<b>92.80</b>	<b>\$0</b>	<b>0.00</b>	<b>\$88,728</b>	<b>\$88,728</b>	<b>\$0</b>	<b>82.20</b>							
14325005	12 GEV BL13-01...		Buy Lead Glass Blocks (SHOWER COUNTER)	03-Oct-11	13-Apr-12	26.00	\$0	0.00	\$0	\$0	\$0	103.00							
14325010	12 GEV BL13-01...		Buy PMTs & Bases (SHOWER COUNTER)	16-Apr-12	10-Jul-12	12.00	\$0	0.00	\$0	\$0	\$0	103.00							
14325015	12 GEV BL13-01...		Fab Supprt Sys (SHOWER COUNTER)	01-Apr-13	12-Apr-13	2.00	\$0	0.00	\$0	\$0	\$0	65.60							
14325027	12 GEV BL13-01...		Procure F250 ADCs (SHOWER COUNTER)	04-Jan-12	30-Nov-12	46.20	\$0	0.00	\$74,378	\$74,378	\$0	84.20							
14325027a	12 GEV BL13-01...		Procure CTP for Calorimeter Ref. Hall D 1543025	12-Jul-11	31-Aug-11	7.40	\$0	0.00	\$5,000	\$5,000	\$0	146.20							
14325027b	12 GEV BL13-01...		Procure TI for Calorimeter Ref. Hall D 1543040	08-Sep-11	17-Oct-11	5.60	\$0	0.00	\$1,850	\$1,850	\$0	139.80							
14325027c	12 GEV BL13-01...		Procure SD for Calorimeter Ref. Hall D 1543055	31-May-11	31-Aug-11	13.20	\$0	0.00	\$2,500	\$2,500	\$0	146.20							
14325028	12 GEV BL13-01...		UMASS - Testing of F250 ADCs by University (SHOWER COUNTER) REFERENCE 15...	01-Oct-12	29-Mar-13	19.60	\$0	0.00	\$5,000	\$5,000	\$0	84.20							
<b>1.4.3.2.8 DETECTOR FRAME</b>				<b>01-Jun-10</b>	<b>28-Jan-13</b>	<b>131.60</b>	<b>\$84,553</b>	<b>42.00</b>	<b>\$257,169</b>	<b>\$385,217</b>	<b>\$43,495</b>	<b>80.20</b>							
14328005	12 GEV BL13-01...		Fab General Struct for Detector Frame FY12	02-Nov-11	28-Sep-12	45.00	\$36,439	18.37	\$0	\$70,704	\$34,266	91.60							
14328005a	12 GEV BL13-01...		Fab General Struct for Detector Frame FY13	01-Oct-12	26-Oct-12	4.00	\$3,343	1.63	\$0	\$6,486	\$3,143	91.60							
14328005b	12 GEV BL13-01...		Fab General Struct for Detector Frame Procurement Part A	02-Nov-11	26-Oct-12	49.00	\$0	0.00	\$177,820	\$177,820	\$0	91.60							
14328005ba	12 GEV BL13-01...		Fab General Struct for Detector Frame Procurement Part B	02-Nov-11	26-Oct-12	49.00	\$0	0.00	\$8,000	\$8,000	\$0	91.60							
14328010	12 GEV BL13-01...		Fab Supprt for individual Detctr's FY12	02-Nov-11	28-Sep-12	45.00	\$33,087	16.39	\$0	\$37,585	\$4,498	80.20							
14328010a	12 GEV BL13-01...		Fab Supprt for individual Detctr's FY13	01-Oct-12	28-Jan-13	15.40	\$11,685	5.61	\$0	\$13,273	\$1,588	80.20							
14328010b	12 GEV BL13-01...		Fab Supprt for individual Detctr's Procurement Part A	02-Nov-11	28-Jan-13	60.40	\$0	0.00	\$17,400	\$17,400	\$0	80.20							
14328010ba	12 GEV BL13-01...		Fab Supprt for individual Detctr's Procurement Part B	02-Nov-11	28-Jan-13	60.40	\$0	0.00	\$25,949	\$25,949	\$0	80.20							
14328015	12 GEV BL13-01...		Procure Support Frame	01-Jun-10	30-Sep-10	17.20	\$0	0.00	\$28,000	\$28,000	\$0	190.60							
<b>1.4.3.3 COMPUTING</b>				<b>08-Apr-13</b>	<b>03-Jun-13</b>	<b>8.00</b>	<b>\$0</b>	<b>0.00</b>	<b>\$42,781</b>	<b>\$42,781</b>	<b>\$0</b>	<b>59.60</b>							
<b>1.4.3.3.1 DAQ</b>				<b>08-Apr-13</b>	<b>03-Jun-13</b>	<b>8.00</b>	<b>\$0</b>	<b>0.00</b>	<b>\$42,781</b>	<b>\$42,781</b>	<b>\$0</b>	<b>59.60</b>							
1433000	12 GEV BL13-01...		Buy 5 Fast PC's for Data Acq & Processing (COMP)	08-Apr-13	03-Jun-13	8.00	\$0	0.00	\$18,634	\$18,634	\$0	59.60							
1433005	12 GEV BL13-01...		Buy File Servers for Data Acq System (COMP)	08-Apr-13	03-Jun-13	8.00	\$0	0.00	\$12,073	\$12,073	\$0	59.60							
1433010	12 GEV BL13-01...		Buy 8 Workstations/Monitors (COMP)	08-Apr-13	03-Jun-13	8.00	\$0	0.00	\$12,073	\$12,073	\$0	59.60							
<b>1.4.3.4 ELECTRONICS</b>				<b>12-Nov-10</b>	<b>25-Sep-13</b>	<b>142.00</b>	<b>\$63,013</b>	<b>25.85</b>	<b>\$265,525</b>	<b>\$341,002</b>	<b>\$12,465</b>	<b>43.60</b>							
<b>1.4.3.4.1 FAST ELECTRONICS</b>				<b>13-May-11</b>	<b>25-Sep-13</b>	<b>118.00</b>	<b>\$63,013</b>	<b>25.85</b>	<b>\$177,814</b>	<b>\$253,291</b>	<b>\$12,465</b>	<b>43.60</b>							
14341000	12 GEV BL13-01...		DAQ Trigger Development	29-Oct-12	18-Sep-13	44.00	\$34,973	12.00	\$0	\$34,973	\$0	44.60							
14341005	12 GEV BL13-01...		Proc TDCs for Wire Chambers (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341007	12 GEV BL13-01...		SOS Signal Cable Prepare for Installation (FAST Electrn's)	13-May-11	08-Aug-11	12.00	\$17,108	10.00	\$0	\$27,427	\$10,319	13.60							
14341010	12 GEV BL13-01...		Proc Discriminators for Wire Chambers (FAST Electrn's)	05-Jan-12	10-Jul-12	26.00	\$0	0.00	\$0	\$0	\$0	104.00							
14341015	12 GEV BL13-01...		Proc ADCs for Hodoscopes (FAST Electrn's)	04-Jan-12	30-Nov-12	46.20	\$0	0.00	\$53,718	\$53,718	\$0	84.00							
14341020	12 GEV BL13-01...		Proc ADCs for Calorimeter (FAST Electrn's) FY12	05-Jan-12	28-Sep-12	37.40	\$0	0.00	\$0	\$1,625	\$1,625	81.00							

█ Primary Baseline   
 █ Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7
14341020a	12 GEV BL13-01...		Proc ADCs for Calorimeter (FAST Electrn's) FY13	01-Oct-12	21-Dec-12	11.60	\$0	0.00	\$0	\$520	\$520	81.00						
14341025	12 GEV BL13-01...		Proc TDCs for Hodoscopes (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00						
14341030	12 GEV BL13-01...		Proc Discriminators for Hodoscopes (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00						
14341035	12 GEV BL13-01...		Proc HV for All Detctr's (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00						
14341040	12 GEV BL13-01...		Proc CAMAC Controller & Crate (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00						
14341045	12 GEV BL13-01...		Proc NIM Crates (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00						
14341050	12 GEV BL13-01...		Proc NIM & CAMAC Logic (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00						
14341055	12 GEV BL13-01...		Proc scalers (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00						
14341060	12 GEV BL13-01...		Proc Cables & Connectors (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$5,324	\$5,324	\$0	81.00						
14341065	12 GEV BL13-01...		Proc VME Crates (FAST Electrn's) REF. HallID 1544006	05-Jan-12	29-Jun-12	24.60	\$0	0.00	\$10,648	\$10,648	\$0	54.90						
14341067	12 GEV BL13-01...		Assemble and Test VME Crates (FAST Electrn's) REF. HallID 1544025	02-Jul-12	15-Aug-12	6.50	\$2,824	1.00	\$0	\$2,824	\$0	54.90						
14341070	12 GEV BL13-01...		Proc High-Power 21-slot VME64x/VXS crate for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$10,000	\$10,000	\$0	81.00						
14341075	12 GEV BL13-01...		Proc 2 single-board PC's for DCs, Hodoscopes, Cerenkovs for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$7,000	\$7,000	\$0	81.00						
14341080	12 GEV BL13-01...		Proc TS Module for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$4,128	\$4,128	\$0	43.60						
14341085	12 GEV BL13-01...		Proc CTP Module for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$5,160	\$5,160	\$0	43.60						
14341090	12 GEV BL13-01...		Proc SD Module for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$2,500	\$2,500	\$0	81.00						
14341095	12 GEV BL13-01...		Proc 2 TI Modules for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$6,450	\$6,450	\$0	81.00						
14341097	12 GEV BL13-01...		Proc TD Module for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$5,100	\$5,100	\$0	81.00						
14341100	12 GEV BL13-01...		Proc SSP Module for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$6,707	\$6,707	\$0	43.60						
14341105	12 GEV BL13-01...		Proc 11 TDC modules with CAEN 1190 specs for DC, Cerenkovs, Hodoscopes - for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$51,079	\$51,079	\$0	43.60						
14341110	12 GEV BL13-01...		Proc positive high-voltage modules	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$10,000	\$10,000	\$0	81.00						
14341115	12 GEV BL13-01...		Recondition 1 existing VME64x crate (w/o VXS) FY12	05-Jan-12	28-Sep-12	37.40	\$6,142	2.18	\$0	\$6,142	\$0	81.00						
14341115a	12 GEV BL13-01...		Recondition 1 existing VME64x crate (w/o VXS) FY13	01-Oct-12	21-Dec-12	11.60	\$1,966	0.67	\$0	\$1,966	\$0	81.00						
<b>1.4.3.4.2 POWER SUPPLIES &amp; PROBES (Power Supply Infrastructure)</b>				<b>12-Nov-10</b>	<b>24-Jun-13</b>	<b>129.00</b>	<b>\$0</b>	<b>0.00</b>	<b>\$87,712</b>	<b>\$87,712</b>	<b>\$0</b>	<b>42.40</b>						
14342005	12 GEV BL13-01...		Proc 4 Pwr Supplies for 480V (PWR SUP)	12-Nov-10	12-Nov-10	0.20	\$0	0.00	\$0	\$0	\$0	168.20						
14342010	12 GEV BL13-01...		Proc LCW Sys for Pwr Supplies (PWR SUP)	15-Nov-10	15-Nov-10	0.20	\$0	0.00	\$0	\$0	\$0	168.20						
14342020	12 GEV BL13-01...		Proc 5000A Rigid Water Cooled Bus (PWR SUP)	16-Nov-10	16-Nov-10	0.20	\$0	0.00	\$0	\$0	\$0	168.20						
14342030	12 GEV BL13-01...		Proc 5000A Flexible Lines (PWR SUP)	02-Dec-11	02-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80						
14342035	12 GEV BL13-01...		Fab Stand for Pwr Supplies (PWR SUP)	02-Dec-11	02-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80						
14342040	12 GEV BL13-01...		Fab Catwalk (PWR SUP)	05-Dec-11	05-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80						
14342045	12 GEV BL13-01...		Fab Cable Tray & Bus Supprt (PWR SUP)	06-Dec-11	06-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80						
14342050	12 GEV BL13-01...		Proc 5000A Flexible Lines Revised by 2012 ETC	03-Jan-13	24-Jun-13	24.00	\$0	0.00	\$61,914	\$61,914	\$0	42.40						
14342055	12 GEV BL13-01...		Fab Cable Tray & Bus Supprt Revised by 2012 ETC	01-Apr-13	24-Jun-13	12.00	\$0	0.00	\$25,798	\$25,798	\$0	42.40						
<b>1.4.3.5 BEAMLIN</b>				<b>05-Jan-11</b>	<b>17-Dec-14</b>	<b>197.00</b>	<b>\$409,461</b>	<b>184.00</b>	<b>\$388,638</b>	<b>\$870,339</b>	<b>\$72,239</b>	<b>13.60</b>						
<b>1.4.3.5.1 MOELLER POLARIMETER</b>				<b>14-May-12</b>	<b>01-Nov-13</b>	<b>73.80</b>	<b>\$10,868</b>	<b>5.00</b>	<b>\$29,823</b>	<b>\$40,691</b>	<b>\$0</b>	<b>69.20</b>						
14351005	12 GEV BL13-01...		Proc Pwr Supply for Additional quad for Moeller polarimeter	14-May-12	14-Nov-12	26.00	\$0	0.00	\$0	\$0	\$0	90.60						
14351010	12 GEV BL13-01...		Proc Cables/Stand for Additional quad for Moeller polarimeter	01-May-13	26-Jun-13	8.00	\$0	0.00	\$7,848	\$7,848	\$0	60.80						
14351020	12 GEV BL13-01...		Modify Moeller Collimator	01-May-13	01-Nov-13	26.00	\$10,868	5.00	\$21,976	\$32,844	\$0	69.20						
<b>1.4.3.5.2 COMPTON POLARIMETER</b>				<b>20-Jan-12</b>	<b>03-Oct-12</b>	<b>36.00</b>	<b>\$15,429</b>	<b>8.00</b>	<b>\$0</b>	<b>\$15,429</b>	<b>\$0</b>	<b>112.60</b>						
14352000	12 GEV BL13-01...		Produce Compton Elevation Layout FY12	14-May-12	28-Sep-12	19.40	\$14,952	7.76	\$0	\$14,952	\$0	100.60						
14352000a	12 GEV BL13-01...		Produce Compton Elevation Layout FY13	01-Oct-12	03-Oct-12	0.60	\$477	0.24	\$0	\$477	\$0	100.60						
14352005	12 GEV BL13-01...		Procure QR Magnets for Compton	20-Jan-12	15-May-12	16.40	\$0	0.00	\$0	\$0	\$0	132.20						
<b>1.4.3.5.3 MAPPING</b>				<b>03-Jan-13</b>	<b>18-Sep-13</b>	<b>36.00</b>	<b>\$227,373</b>	<b>98.00</b>	<b>\$116,339</b>	<b>\$375,731</b>	<b>\$32,018</b>	<b>75.20</b>						
14353005	12 GEV BL13-01...		Proc Matr'l for ARC Mapper	04-Mar-13	24-Jun-13	16.00	\$0	0.00	\$63,916	\$63,916	\$0	75.20						
14353010	12 GEV BL13-01...		Fabricate and Use New ARC Mapper	25-Jun-13	18-Sep-13	12.00	\$182,194	79.00	\$7,691	\$189,885	\$0	75.20						
14353015	12 GEV BL13-01...		Refurb Existing Harmonic Coil for SHMS Mags	03-Jan-13	29-Mar-13	12.00	\$45,180	19.00	\$44,732	\$121,930	\$32,018	90.60						
<b>1.4.3.5.4 SCATTERING CHAMBER</b>				<b>05-Jan-11</b>	<b>24-Jan-14</b>	<b>151.60</b>	<b>\$58,815</b>	<b>29.00</b>	<b>\$114,523</b>	<b>\$211,072</b>	<b>\$37,734</b>	<b>50.60</b>						
14354005	12 GEV BL13-01...		Modify Existing Chamb Cylinder (SCATTER CHAMB)	05-Jan-11	07-Apr-11	13.00	\$6,164	3.00	\$33,632	\$43,311	\$3,515	149.00						
14354010	12 GEV BL13-01...		Proc & Install Chamb Flanges (SCATTER CHAMB)	08-Apr-11	01-Aug-11	16.00	\$4,441	2.00	\$0	\$4,441	\$0	149.00						
14354015	12 GEV BL13-01...		Proc & Install HMS & SHMS Window Frames (SCATTER CHAMB) FY11	02-Aug-11	30-Sep-11	8.60	\$7,172	3.76	\$0	\$7,172	\$0	149.00						
14354015a	12 GEV BL13-01...		Proc & Install HMS & SHMS Window Frames (SCATTER CHAMB) FY12	03-Oct-11	22-Nov-11	7.40	\$6,368	3.24	\$0	\$6,368	\$0	149.00						
14354020	12 GEV BL13-01...		Proc & Install HMS & SHMS Blank Covers (SCATTER CHAMB)	23-Nov-11	29-Dec-11	4.00	\$7,707	4.00	\$0	\$7,707	\$0	149.00						
14354025	12 GEV BL13-01...		Proc Turbo Pump Sys (SCATTER CHAMB)	01-Feb-13	06-Aug-13	26.00	\$0	0.00	\$44,671	\$44,671	\$0	73.20						
14354030	12 GEV BL13-01...		Proc & Install Gate Valves, BL adaptors & Vac Gauges (SCATTER CHAMB) Original Labor	30-Dec-11	31-Jan-12	4.20	\$7,380	3.64	\$0	\$16,746	\$9,366	149.00						
14354030a	12 GEV BL13-01...		Proc & Install Gate Valves, BL adaptors & Vac Gauges (SCATTER CHAMB) Revised La...	01-Oct-13	24-Jan-14	15.00	\$19,583	9.36	\$0	\$44,436	\$24,853	50.60						

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14354030b	12 GEV BL13-01...		Proc & Install Gate Valves, BL adaptors & Vac Gauges (SCATTER CHAMB) Revised Pr...	01-Oct-13	24-Jan-14	15.00	\$0	0.00	\$36,220	\$36,220	\$0	50.60							
<b>1.4.3.5.5 BEAM PIPE &amp; STANDS</b>				<b>28-Aug-13</b>	<b>17-Dec-14</b>	<b>65.00</b>	<b>\$96,976</b>	<b>44.00</b>	<b>\$127,953</b>	<b>\$227,415</b>	<b>\$2,487</b>	<b>4.20</b>							
14355005	12 GEV BL13-01...		Proc 1st Pipe (Beam Pipe)	28-Aug-13	12-Mar-14	26.00	\$17,411	8.00	\$13,715	\$31,126	\$0	4.20							
14355010	12 GEV BL13-01...		Proc 2nd Section of Beam Pipe (Beam Pipe)	28-Aug-13	12-Mar-14	26.00	\$21,388	10.00	\$21,177	\$42,565	\$0	4.20							
14355015	12 GEV BL13-01...		Proc 3rd Section of Beam Pipe (Beam Pipe)	28-Aug-13	12-Mar-14	26.00	\$23,376	11.00	\$26,151	\$52,014	\$2,487	4.20							
14355020	12 GEV BL13-01...		Proc Windows & Window Spool (Beam Pipe)	13-Mar-14	15-Sep-14	26.00	\$34,800	15.00	\$34,892	\$69,692	\$0	16.20							
14355025	12 GEV BL13-01...		Proc Beam Stands (Beam Pipe)	13-Mar-14	15-Sep-14	26.00	\$0	0.00	\$17,446	\$17,446	\$0	4.20							
14355030	12 GEV BL13-01...		Proc Vac Fittings (Beam Pipe)	16-Sep-14	17-Dec-14	13.00	\$0	0.00	\$14,572	\$14,572	\$0	4.20							
<b>1.4.3.6 INFRASTRUCTURE</b>				<b>05-Jan-09</b>	<b>02-Mar-15</b>	<b>305.20</b>	<b>\$2,350,783</b>	<b>1102.10</b>	<b>\$5,026,375</b>	<b>\$8,194,902</b>	<b>\$817,744</b>	<b>79.20</b>							
<b>1.4.3.6.2 SUPPORT STRUCTURE</b>				<b>02-Nov-09</b>	<b>30-Sep-13</b>	<b>193.80</b>	<b>\$605,232</b>	<b>264.48</b>	<b>\$1,783,872</b>	<b>\$2,407,216</b>	<b>\$18,112</b>	<b>148.60</b>							
14362000M	12 GEV BL13-01...		Award Contract to Dsgn the Supprt Struct	02-Nov-09		0.00	\$0	0.00	\$0	\$0	\$0	71.20							
14362005	12 GEV BL13-01...		Finalize Dsgn of Supprt Struct	02-Nov-09	30-Sep-10	45.20	\$20,496	9.23	\$50,697	\$71,193	\$0	71.20							
14362006	12 GEV BL13-01...		SS/SH Engineering Support FY10	01-Sep-10	30-Sep-10	4.20	\$51,657	23.25	\$909	\$52,566	\$0	71.20							
14362007	12 GEV BL13-01...		SS/SH Engineering Support FY11	01-Oct-10	30-Sep-11	49.60	\$0	0.00	\$139,307	\$139,307	\$0	71.20							
14362010M	12 GEV BL13-01...		Review Final Dsgn of Supprt Struct		27-Oct-10	0.00	\$0	0.00	\$0	\$0	\$0	78.60							
14362011	12 GEV BL13-01...		SS/SH Engineering Support FY12	03-Oct-11	28-Sep-12	49.40	\$0	0.00	\$127,778	\$127,778	\$0	71.20							
14362011a	12 GEV BL13-01...		SS/SH Engineering Support FY13	01-Oct-12	30-Sep-13	49.60	\$0	0.00	\$78,014	\$78,014	\$0	148.60							
14362012	12 GEV BL13-01...		Produce Drawings - Rails & Base of Supprt Struct	02-Dec-10	05-Jan-11	3.80	\$25,810	12.00	\$0	\$25,810	\$0	78.60							
14362013	12 GEV BL13-01...		Procurement Prep - Rails & Base of Supprt Struct	10-Feb-11	08-Mar-11	3.60	\$5,436	2.00	\$0	\$5,436	\$0	86.80							
14362015	12 GEV BL13-01...		PreFab Rails & Base of Supprt Struct	07-Dec-11	04-May-12	20.00	\$7,536	3.00	\$82,552	\$90,088	\$0	48.80							
14362016	12 GEV BL13-01...		Produce Drawings - Pivot Sections of Supprt Struct	06-Jan-11	03-Feb-11	4.00	\$25,810	12.00	\$0	\$25,810	\$0	78.60							
14362017	12 GEV BL13-01...		Procurement Prep - Pivot Sections of Supprt Struct	09-Mar-11	05-Apr-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	92.20							
14362020	12 GEV BL13-01...		PreFab Pivot Sections of Supprt Struct	07-Dec-11	19-Jun-12	26.00	\$5,610	2.00	\$61,914	\$73,561	\$6,037	60.00							
14362021	12 GEV BL13-01...		Produce Drawings - Mag Section of Supprt Struct	11-Jul-11	10-Aug-11	4.60	\$30,395	14.00	\$0	\$30,395	\$0	78.60							
14362022	12 GEV BL13-01...		Procurement Prep - Mag Section of Supprt Struct	11-Aug-11	06-Sep-11	3.60	\$5,436	2.00	\$0	\$5,436	\$0	78.60							
14362025	12 GEV BL13-01...		PreFab Mag Section #20 of Supprt Struct	07-Dec-11	04-May-12	20.00	\$32,243	14.00	\$157,461	\$195,741	\$6,037	66.00							
14362026	12 GEV BL13-01...		Produce Drawings - Detector Section of Supprt Struct	06-Apr-11	02-May-11	3.80	\$25,810	12.00	\$0	\$25,810	\$0	78.60							
14362027	12 GEV BL13-01...		Procurement Prep - Detector Section of Supprt Struct	03-May-11	27-May-11	3.80	\$5,436	2.00	\$0	\$5,436	\$0	81.00							
14362030	12 GEV BL13-01...		PreFab Detector Section #30 of Supprt Struct	05-Jan-12	25-May-12	20.00	\$7,536	3.00	\$165,160	\$172,696	\$0	63.00							
14362031	12 GEV BL13-01...		Produce Drawings - Wheel Section of Supprt Struct	06-Jun-11	08-Jul-11	4.80	\$32,262	15.00	\$0	\$32,262	\$0	78.60							
14362032	12 GEV BL13-01...		Procurement Prep - Wheel Section of Supprt Struct	11-Jul-11	04-Aug-11	3.80	\$5,436	2.00	\$0	\$5,436	\$0	79.40							
14362035	12 GEV BL13-01...		PreFab Wheel Section of Supprt Struct	05-Jan-12	25-May-12	20.00	\$7,536	3.00	\$152,712	\$166,286	\$6,037	63.00							
14362035a	12 GEV BL13-01...		PreFab #100 section of Support Structure and Inner Race	04-Jan-12	25-Jun-12	24.00	\$0	0.00	\$63,000	\$63,000	\$0	59.20							
14362036	12 GEV BL13-01...		Produce Drawings - Mag Mounts of Supprt Struct	08-Mar-11	05-Apr-11	4.20	\$25,810	12.00	\$0	\$25,810	\$0	78.60							
14362037	12 GEV BL13-01...		Procurement Prep - Mag Mounts of Supprt Struct	04-May-11	31-May-11	3.80	\$5,436	2.00	\$0	\$5,436	\$0	92.20							
14362040	12 GEV BL13-01...		PreFab Mag Mounts of Supprt Struct	03-Feb-12	26-Jun-12	20.00	\$2,805	1.00	\$0	\$2,805	\$0	59.00							
14362041	12 GEV BL13-01...		Produce Drawings - Access Platforms of Supprt Struct	04-Feb-11	07-Mar-11	4.20	\$25,810	12.00	\$0	\$25,810	\$0	78.60							
14362042	12 GEV BL13-01...		Procurement Prep - Access Platforms of Supprt Struct	06-Apr-11	03-May-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	92.20							
14362045	12 GEV BL13-01...		PreFab Access Platforms of Supprt Struct	02-Apr-12	21-Aug-12	20.00	\$4,732	2.00	\$82,552	\$87,284	\$0	51.00							
14362046	12 GEV BL13-01...		Produce Drawings - Bogies	02-Dec-10	11-Jan-11	4.60	\$32,262	15.00	\$0	\$32,262	\$0	86.80							
14362046a	12 GEV BL13-01...		Produce Drawings - Wheels	28-Oct-10	01-Dec-10	4.60	\$32,262	15.00	\$0	\$32,262	\$0	78.60							
14362047	12 GEV BL13-01...		Procurement Prep - Bogies	12-Jan-11	09-Feb-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	86.80							
14362047a	12 GEV BL13-01...		Procurement Prep - Wheels	02-Dec-10	06-Jan-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	102.20							
14362050	12 GEV BL13-01...		PreFab Double Bogies of Supprt Struct	03-Oct-11	11-May-12	30.00	\$15,073	6.00	\$312,504	\$327,577	\$0	65.00							
14362050a	12 GEV BL13-01...		PreFab Wheels of Supprt Struct	03-Oct-11	11-May-12	30.00	\$9,463	4.00	\$163,496	\$172,959	\$0	65.00							
14362051	12 GEV BL13-01...		Produce Drawings - Other Compnts of Supprt Struct	03-May-11	03-Jun-11	4.60	\$32,262	15.00	\$0	\$32,262	\$0	78.60							
14362052	12 GEV BL13-01...		Procurement Prep - Other Compnts of Supprt Struct	06-Jun-11	01-Jul-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	80.20							
14362055	12 GEV BL13-01...		PreFab Other Compnts of Supprt Struct	12-Jan-12	05-Jun-12	20.00	\$9,463	4.00	\$61,914	\$71,377	\$0	62.00							
14362060	12 GEV BL13-01...		Proc Drive Motors & Reducers of Supprt Struct	12-Jan-12	06-Apr-12	12.00	\$11,219	4.00	\$0	\$11,219	\$0	70.60							
14362065	12 GEV BL13-01...		Electrical System Final Drawings	05-Jan-12	26-Jun-12	24.00	\$26,704	12.00	\$0	\$26,704	\$0	84.80							
14362070	12 GEV BL13-01...		Fire Safety and HVAC Final Drawings	05-Jan-12	26-Jun-12	24.00	\$13,326	6.00	\$0	\$13,326	\$0	87.80							
14362075	12 GEV BL13-01...		Fab Main Bearing of Supprt Struct Labor FY11	01-Oct-10	30-Sep-11	49.60	\$9,097	3.97	\$0	\$9,097	\$0	93.60							
14362075a	12 GEV BL13-01...		Fab Main Bearing of Supprt Struct Labor FY12	03-Oct-11	04-Oct-11	0.40	\$76	0.03	\$0	\$76	\$0	93.60							
14362075b	12 GEV BL13-01...		Fab Main Bearing of Supprt Struct Procurement	01-Oct-10	04-Oct-11	50.00	\$0	0.00	\$83,904	\$83,904	\$0	93.60							
14362811LOE	12 GEV BL13-01...		Overlook Various Subcontracts of Supprt Struct	01-Oct-10	30-Sep-11	49.60	\$13,686	5.00	\$0	\$13,686	\$0	198.20							

— Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14362812LOE	12 GEV BL13-01...		Overlook Various Subcontracts of Supprt Struct	03-Oct-11	28-Sep-12	49.40	\$14,122	5.00	\$0	\$14,122	\$0	198.20							
<b>1.4.3.6.3 SHIELD HOUSE</b>				<b>02-Nov-09</b>	<b>08-Oct-13</b>	<b>195.00</b>	<b>\$164,358</b>	<b>74.08</b>	<b>\$798,194</b>	<b>\$999,798</b>	<b>\$37,246</b>	<b>72.20</b>							
14363005M	12 GEV BL13-01...		Award Contract for Final Dsgn of Shield House (SHIELD HOUSE)	02-Nov-09		0.00	\$0	0.00	\$0	\$0	\$0	105.40							
14363010	12 GEV BL13-01...		Finalize Dsgn of Shield House (SHIELD HOUSE)	26-Apr-10	30-Sep-10	22.20	\$37,942	17.08	\$13,394	\$56,177	\$4,841	82.40							
14363021	12 GEV BL13-01...		Produce Drawings - Steel (SHIELD HOUSE) FY11	11-Aug-11	30-Sep-11	7.20	\$48,705	22.65	\$0	\$48,705	\$0	93.60							
14363021a	12 GEV BL13-01...		Produce Drawings - Steel (SHIELD HOUSE) FY12	03-Oct-11	07-Nov-11	5.20	\$36,299	16.35	\$0	\$36,299	\$0	93.60							
14363022	12 GEV BL13-01...		Procurement Prep - Steel (SHIELD HOUSE)	08-Nov-11	07-Dec-11	4.00	\$5,610	2.00	\$0	\$5,610	\$0	93.60							
14363025	12 GEV BL13-01...		Fab Steel Supprt (SHIELD HOUSE)	08-Dec-11	07-May-12	20.00	\$26,037	12.00	\$0	\$26,037	\$0	93.60							
14363030	12 GEV BL13-01...		Proc Boron and Lead Shielding (SHIELD HOUSE) Part A	03-Jan-13	29-Mar-13	12.00	\$0	0.00	\$531,429	\$531,429	\$0	50.00							
14363030a	12 GEV BL13-01...		Proc Boron and Lead Shielding (SHIELD HOUSE) Part B	03-Jan-13	29-Mar-13	12.00	\$0	0.00	\$61,914	\$61,914	\$0	50.00							
14363035	12 GEV BL13-01...		Fab Doors and associated hardware for Shield House (SHIELD HOUSE)	21-Aug-13	04-Oct-13	6.40	\$3,977	2.00	\$96,898	\$100,875	\$0	28.20							
14363036	12 GEV BL13-01...		Fab Roof Beams and Wall Blocks (SHIELD HOUSE)	21-Aug-13	08-Oct-13	6.80	\$0	0.00	\$87,315	\$87,315	\$0	72.20							
14363060	12 GEV BL13-01...		Fab Various Small Components (SHIELD HOUSE)	01-Apr-13	01-Jul-13	13.00	\$5,789	2.00	\$7,244	\$45,438	\$32,405	58.60							
<b>1.4.3.6.4 CRYOGENIC SYSTEM</b>				<b>01-Oct-10</b>	<b>29-Jul-13</b>	<b>139.80</b>	<b>\$147,969</b>	<b>71.60</b>	<b>\$578,902</b>	<b>\$783,636</b>	<b>\$56,765</b>	<b>33.60</b>							
14364005	12 GEV BL13-01...		Update Overall Cryo Flow Sheet (CRYO SYS)	01-Oct-10	29-Nov-10	8.00	\$12,905	6.00	\$0	\$12,905	\$0	103.40							
14364010	12 GEV BL13-01...		Proc Equipmnt for Mod of G0 Transfer Line (CRYO SYS)	03-Oct-11	29-Nov-11	8.00	\$0	0.00	\$36,223	\$36,223	\$0	61.80							
14364015	12 GEV BL13-01...		Detail Mods of G0 Transfer Line	30-Nov-11	30-Dec-11	3.60	\$6,128	3.00	\$0	\$6,128	\$0	100.20							
14364016	12 GEV BL13-01...		Modify G0 Transfer Line	03-May-13	29-Jul-13	12.00	\$52,271	27.60	\$0	\$52,271	\$0	33.60							
14364020	12 GEV BL13-01...		Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) FY12	05-Mar-12	28-Sep-12	29.40	\$0	0.00	\$0	\$5,427	\$5,427	61.80							
14364020a	12 GEV BL13-01...		Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) FY13	01-Oct-12	14-Nov-12	6.60	\$0	0.00	\$0	\$1,257	\$1,257	61.80							
14364020b	12 GEV BL13-01...		Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) Procurement	05-Mar-12	14-Nov-12	36.00	\$0	0.00	\$330,000	\$330,000	\$0	61.80							
14364025	12 GEV BL13-01...		Fab SHMS Distrbtn Transfer Line (CRYO SYS)	30-Nov-11	02-Mar-12	12.00	\$25,440	12.00	\$0	\$50,794	\$25,354	61.80							
14364030	12 GEV BL13-01...		Fab SHMS Gas Manifolds (CRYO SYS)	05-Mar-12	25-May-12	12.00	\$16,574	8.00	\$30,186	\$52,797	\$6,037	61.80							
14364035	12 GEV BL13-01...		Fab Jlab U-tubes (CRYO SYS)	29-May-12	19-Sep-12	16.00	\$8,585	4.00	\$43,466	\$52,051	\$0	75.80							
14364040	12 GEV BL13-01...		Fab Jlab L tubes (CRYO SYS)	29-May-12	19-Sep-12	16.00	\$10,512	5.00	\$24,149	\$34,661	\$0	75.80							
14364045	12 GEV BL13-01...		Proc Valves & Controllers (CRYO SYS)	01-Feb-13	29-Mar-13	8.00	\$2,894	1.00	\$29,906	\$32,800	\$0	50.40							
14364050	12 GEV BL13-01...		Proc Boom Supprt (CRYO SYS)	01-Feb-13	26-Apr-13	12.00	\$0	0.00	\$20,682	\$20,682	\$0	46.00							
14364055	12 GEV BL13-01...		Proc Vac Gauges (CRYO SYS)	01-Feb-13	29-Mar-13	8.00	\$0	0.00	\$14,947	\$14,947	\$0	50.40							
14364060	12 GEV BL13-01...		Fab Stand & Catwalk (CRYO SYS)	29-May-12	07-Jan-13	30.00	\$0	0.00	\$0	\$0	\$0	61.80							
14364065	12 GEV BL13-01...		Proc Cables,panels & Pwr Supplies (CRYO SYS)	03-May-13	28-Jun-13	8.00	\$9,766	4.00	\$12,460	\$22,225	\$0	37.60							
14364075	12 GEV BL13-01...		Proc & Fab Various Connections etc (CRYO SYS)	01-Feb-13	12-Apr-13	10.00	\$2,894	1.00	\$36,884	\$58,468	\$18,689	48.40							
<b>1.4.3.6.5 VACUUM SYSTEM</b>				<b>05-Jan-09</b>	<b>28-Jan-14</b>	<b>251.20</b>	<b>\$24,426</b>	<b>10.50</b>	<b>\$458,615</b>	<b>\$483,041</b>	<b>\$0</b>	<b>50.20</b>							
14365005	12 GEV BL13-01...		Finalize Drawing for Comp Vac Sys	05-Jan-09	31-Mar-09	12.00	\$9,567	5.00	\$0	\$9,567	\$0	52.40							
14365010	12 GEV BL13-01...		Proc Turbo Pump systems	03-Jan-13	01-Mar-13	8.00	\$4,729	2.00	\$93,447	\$98,176	\$0	52.40							
14365015	12 GEV BL13-01...		Proc Roots Pump Sys	03-Jan-13	01-Mar-13	8.00	\$1,447	0.50	\$43,609	\$45,056	\$0	52.40							
14365020	12 GEV BL13-01...		Proc Valves & Plumbing	04-Mar-13	29-Mar-13	4.00	\$2,894	1.00	\$37,379	\$40,273	\$0	52.40							
14365025	12 GEV BL13-01...		Proc Gauges for Vac Sys	04-Mar-13	29-Mar-13	4.00	\$0	0.00	\$24,919	\$24,919	\$0	52.40							
14365030	12 GEV BL13-01...		Proc Spool & Bellows for All Magnets	03-Jan-13	09-Jul-13	26.00	\$0	0.00	\$92,578	\$92,578	\$0	50.20							
14365035	12 GEV BL13-01...		Proc Windows & Flanges	03-Jan-13	09-Jul-13	26.00	\$0	0.00	\$37,379	\$37,379	\$0	50.20							
14365040	12 GEV BL13-01...		Proc Shutter Exit Window	03-Jan-13	09-Jul-13	26.00	\$0	0.00	\$24,919	\$24,919	\$0	50.20							
14365045	12 GEV BL13-01...		Proc Sieve Slit Sys	15-Apr-13	28-Jan-14	39.00	\$0	0.00	\$92,298	\$92,298	\$0	50.20							
14365050	12 GEV BL13-01...		Fab Slit Controls	15-Apr-13	28-Jan-14	39.00	\$5,789	2.00	\$12,087	\$17,875	\$0	50.20							
<b>1.4.3.6.6 CABLING</b>				<b>05-Jan-12</b>	<b>12-Apr-13</b>	<b>63.40</b>	<b>\$2,912</b>	<b>1.00</b>	<b>\$60,366</b>	<b>\$63,279</b>	<b>\$0</b>	<b>57.60</b>							
14366005	12 GEV BL13-01...		Proc HV Cables (CABLING) Original	05-Jan-12	31-Jan-12	3.60	\$195	0.07	\$0	\$195	\$0	117.40							
14366007	12 GEV BL13-01...		Proc HV Cables (CABLING) Revised per CR12-022	01-Oct-12	12-Apr-13	26.00	\$1,456	0.50	\$42,257	\$43,713	\$0	57.60							
14366010	12 GEV BL13-01...		Proc LV & Signal Cables (CABLING) Original	05-Jan-12	31-Jan-12	3.60	\$195	0.07	\$0	\$195	\$0	117.40							
14366015	12 GEV BL13-01...		Proc LV & Signal Cables (CABLING) Revised per CR12-022	01-Oct-12	12-Apr-13	26.00	\$1,456	0.50	\$18,110	\$19,566	\$0	57.60							
14366020	12 GEV BL13-01...		Reverse Entry Per CR12-022	03-Feb-12	07-Aug-12	26.00	(\$391)	-0.14	\$0	(\$391)	\$0	91.00							
<b>1.4.3.6.7 SOS PIVOT MODIFICATION</b>				<b>02-Nov-11</b>	<b>15-May-12</b>	<b>26.00</b>	<b>\$4,732</b>	<b>2.00</b>	<b>\$0</b>	<b>\$4,732</b>	<b>\$0</b>	<b>63.60</b>							
14367005	12 GEV BL13-01...		Proc Parts for SHMS Pivot Connection (SOS PIVOT MOD)	02-Nov-11	15-May-12	26.00	\$4,732	2.00	\$0	\$4,732	\$0	63.60							
<b>1.4.3.6.8 INSTALLATION</b>				<b>13-May-11</b>	<b>02-Mar-15</b>	<b>188.00</b>	<b>\$1,401,154</b>	<b>678.45</b>	<b>\$1,346,425</b>	<b>\$3,453,201</b>	<b>\$705,622</b>	<b>79.20</b>							
14368005	12 GEV BL13-01...		Prep for safety Review for Installtn Plans	02-Nov-11	08-Dec-11	5.00	\$37,923	16.00	\$0	\$37,923	\$0	31.40							
14368010M	12 GEV BL13-01...		Comp safety Review for Installtn Plans		08-Dec-11	0.00	\$0	0.00	\$0	\$0	\$0	31.40							
14368015	12 GEV BL13-01...		Install Pivot for SHMS	26-Mar-13	01-Apr-13	1.00	\$51,363	28.00	\$0	\$82,512	\$31,149	21.40							
14368020	12 GEV BL13-01...		Move Pre-Fab Compnts into Hall with road crane	02-Apr-13	04-Apr-13	0.60	\$0	0.00	\$362,199	\$362,199	\$0	21.40							

— Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14368027	12 GEV BL13-01...		Install Wheels and Bogies	01-Jul-13	15-Jul-13	2.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368028	12 GEV BL13-01...		Construct Access Platform & Shield Wall	01-Jul-13	12-Aug-13	6.00	\$21,080	10.00	\$49,445	\$70,525	\$0	48.80							
14368035M	12 GEV BL13-01...		Receive First Mag from vendor	20-Nov-13		0.00	\$0	0.00	\$0	\$0	\$0	17.60							
14368055	12 GEV BL13-01...		Mount HB on Supprt Carriage	19-Jun-14	25-Jun-14	1.00	\$1,834	1.00	\$0	\$1,834	\$0	25.40							
14368060	12 GEV BL13-01...		Mount Q1 on Supprt Carriage	30-Apr-14	06-May-14	1.00	\$3,669	2.00	\$0	\$3,669	\$0	25.40							
14368065	12 GEV BL13-01...		Mount Q2 on Supprt Carriage	08-Sep-14	12-Sep-14	1.00	\$14,675	8.00	\$0	\$69,729	\$55,054	5.40							
14368070	12 GEV BL13-01...		Mount Q3 on Supprt Carriage	27-Oct-14	31-Oct-14	1.00	\$14,675	8.00	\$0	\$69,729	\$55,054	5.40							
14368075	12 GEV BL13-01...		Mount Dipole on Supprt Carriage	20-Nov-13	19-Dec-13	4.00	\$36,222	19.00	\$56,068	\$92,290	\$0	17.60							
14368077	12 GEV BL13-01...		Cool Down First Magnet	03-Feb-14	10-Mar-14	5.00	\$12,451	6.00	\$0	\$12,451	\$0	16.80							
14368080	12 GEV BL13-01...		Dipole Acceptance Test	11-Mar-14	29-Apr-14	7.20	\$9,458	4.00	\$0	\$9,458	\$0	16.80							
14368080a	12 GEV BL13-01...		Install Boron & Lead Shielding	17-Oct-13	18-Nov-13	4.60	\$27,670	15.00	\$0	\$55,825	\$28,155	22.00							
14368085M	12 GEV BL13-01...		Shield House Concrete Work Complete		16-Oct-13	0.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368087	12 GEV BL13-01...		Install Doors in Shield House	19-Nov-13	25-Nov-13	1.00	\$0	0.00	\$0	\$0	\$0	38.00							
14368090	12 GEV BL13-01...		Install Detctr's in Shield House	07-May-14	03-Oct-14	21.00	\$25,554	14.00	\$0	\$62,933	\$37,379	16.80							
14368090a	12 GEV BL13-01...		Install Roof Beams and Wall Blocks in Shield House	06-Oct-14	06-Oct-14	0.20	\$734	0.40	\$0	\$734	\$0	23.20							
14368093	12 GEV BL13-01...		Install Drift Gas Manifold	03-Jan-14	14-Feb-14	6.00	\$7,646	4.00	\$0	\$7,646	\$0	48.00							
14368100	12 GEV BL13-01...		Construct & Connect Cryogenic Lines	05-Sep-13	30-Oct-13	8.00	\$59,009	32.00	\$0	\$110,393	\$51,384	28.40							
14368105	12 GEV BL13-01...		Install Mag Pwr Supplies & Utilities on Platform	07-Nov-13	20-Dec-13	6.00	\$14,624	8.00	\$8,717	\$23,341	\$0	21.40							
14368110	12 GEV BL13-01...		Connect Mag Pwr Supplies & instrument Controls	03-Jan-14	31-Jan-14	4.00	\$80,150	44.00	\$5,481	\$85,632	\$0	16.80							
14368115	12 GEV BL13-01...		Prep for Vac & pressure systems Safety Review	25-Jun-13	09-Jul-13	2.00	\$5,789	2.00	\$0	\$5,789	\$0	38.40							
14368120M	12 GEV BL13-01...		Comp safety Review of vacuum & pressure Vessel systems Implementn		09-Jul-13	0.00	\$0	0.00	\$0	\$0	\$0	38.40							
14368125	12 GEV BL13-01...		Install & Connect Magnet Insulating Vac system	20-Nov-13	10-Jan-14	6.00	\$27,516	15.00	\$0	\$54,861	\$27,345	19.60							
14368127	12 GEV BL13-01...		Install & Connect Spectrometer Vac system	02-Jan-15	13-Feb-15	6.00	\$27,516	15.00	\$0	\$54,861	\$27,345	4.20							
14368130	12 GEV BL13-01...		Prep for Review of Hot Check-out & Mag Control systems	03-Feb-14	17-Mar-14	6.00	\$14,526	5.00	\$0	\$14,526	\$0	41.00							
14368135M	12 GEV BL13-01...		Comp safety Review of Hot Chkout procedures & Mag control systems		17-Mar-14	0.00	\$0	0.00	\$0	\$0	\$0	41.00							
14368140	12 GEV BL13-01...		Perform Hot Check-out of Mag Pwr Supplies	18-Mar-14	07-Apr-14	3.00	\$34,970	18.00	\$0	\$34,970	\$0	41.00							
14368145M	12 GEV BL13-01...		First New SC Mag Cooled Down in place	11-Mar-14		0.00	\$0	0.00	\$0	\$0	\$0	45.00							
14368155	12 GEV BL13-01...		Perform Hot Check-out of Cold Magnets in place	17-Dec-14	19-Feb-15	8.00	\$18,969	8.00	\$0	\$18,969	\$0	5.80							
14368160	12 GEV BL13-01...		Hot Check-out of Detctr's in Shield House	29-Sep-14	21-Nov-14	8.00	\$10,930	6.00	\$0	\$10,930	\$0	16.80							
14368170	12 GEV BL13-01...		Remove Remaining HKS/HES Components	13-May-11	25-Jul-11	10.00	\$0	0.00	\$0	\$0	\$0	15.60							
14368171	12 GEV BL13-01...		Strip Clean The SOS: Hoses, Cable & Shielding	13-May-11	18-Oct-11	22.00	\$0	0.00	\$0	\$0	\$0	3.60							
14368172	12 GEV BL13-01...		Radiation Cooldown	14-May-12	12-Jun-12	4.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368172a	12 GEV BL13-01...		Qweak Post Run Alignment Survey	29-May-12	12-Jun-12	2.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368173	12 GEV BL13-01...		Disconnect & Remove Qweak Girder	13-Jun-12	19-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	59.00							
14368174	12 GEV BL13-01...		Dismantle & Remove Qweak Electronics Bunker	13-Jun-12	19-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368174a	12 GEV BL13-01...		Install SOS Rails, Move SOS and Remove doors and door frame	20-Jun-12	03-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	47.00							
14368174b	12 GEV BL13-01...		Remove SOS Hydraulic Cylinders and supports	04-Jul-12	17-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	47.00							
14368174c	12 GEV BL13-01...		Move SOS Back and Saw cut and remove concrete	18-Jul-12	07-Aug-12	3.00	\$0	0.00	\$0	\$0	\$0	47.00							
14368174d	12 GEV BL13-01...		Remove SOS Dipole	24-Sep-12	28-Sep-12	1.00	\$0	0.00	\$0	\$0	\$0	40.60							
14368174f	12 GEV BL13-01...		Saw cut and remove remaining SOS concrete	01-Oct-12	03-Oct-12	0.60	\$0	0.00	\$0	\$0	\$0	40.60							
14368174g	12 GEV BL13-01...		Remove SOS Chassis , rails and pivot bearing	04-Oct-12	26-Oct-12	3.40	\$0	0.00	\$0	\$0	\$0	40.60							
14368174h	12 GEV BL13-01...		Remove HKS Dummy weight	20-Jun-12	21-Jun-12	0.40	\$0	0.00	\$0	\$0	\$0	21.40							
14368174j	12 GEV BL13-01...		Remove Qweak cabling and trays	22-Jun-12	28-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368174k	12 GEV BL13-01...		Remove Qweak Region 3 Shield Hut	29-Jun-12	16-Jul-12	2.40	\$0	0.00	\$0	\$0	\$0	21.40							
14368174n	12 GEV BL13-01...		Remove Qweak Region 3 Detectors and support structures	17-Jul-12	06-Aug-12	3.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368174p	12 GEV BL13-01...		Remove QTOR Magnet	07-Aug-12	20-Aug-12	2.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368174q	12 GEV BL13-01...		Remove Qweak shield wall and beam dump sections	21-Aug-12	27-Aug-12	1.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368174r	12 GEV BL13-01...		Remove Qweak regions 1 and 2	28-Aug-12	14-Sep-12	2.60	\$0	0.00	\$0	\$0	\$0	21.40							
14368174s	12 GEV BL13-01...		Remove Qweak cryo target complete	17-Sep-12	21-Sep-12	1.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368174t	12 GEV BL13-01...		Remove all remaining 9.5" concrete pads	24-Sep-12	05-Oct-12	2.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368175	12 GEV BL13-01...		Ccan and platform removal	02-Apr-13	04-Apr-13	0.60	\$0	0.00	\$0	\$0	\$0	21.40							
14368176	12 GEV BL13-01...		Reroute HMS Cableways to Clear SHMS	14-May-12	07-Aug-12	12.00	\$7,409	4.00	\$10,648	\$18,057	\$0	53.00							
14368180	12 GEV BL13-01...		Restore HaLL C and ESR Cryo To Base Config.	14-May-12	25-May-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368182M	12 GEV BL13-01...		Cryogens Available from ESR or CHL	29-May-12		0.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368185	12 GEV BL13-01...		Cool Down HMS Dipole	29-May-12	05-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	81.80							

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
— Actual Work   
 — Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14368190	12 GEV BL13-01...		Cool Down HMS Q1	06-Jun-12	19-Jun-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368195	12 GEV BL13-01...		Cool Down HMS Q2	20-Jun-12	03-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368200	12 GEV BL13-01...		Cool Down HMS Q3	04-Jul-12	17-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368205	12 GEV BL13-01...		Comission HMS Dipole at 3000 amps	18-Jul-12	31-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368210	12 GEV BL13-01...		Prepare LCW for SHMS DCPS Testing	06-Jun-12	19-Jun-12	2.00	\$12,720	6.00	\$0	\$18,044	\$5,324	86.20							
14368215	12 GEV BL13-01...		Prepare AC Power for SHMS DCPS Testing	06-Jun-12	19-Jun-12	2.00	\$12,706	6.00	\$0	\$23,354	\$10,648	86.20							
14368220	12 GEV BL13-01...		Connect HMS Q1 to SHMS DCPS #1	20-Jun-12*	21-Jun-12	0.40	\$1,412	0.80	\$0	\$1,412	\$0	85.80							
14368225	12 GEV BL13-01...		Test Power Supply DCPS #1	22-Jun-12	26-Jun-12	0.60	\$3,366	1.20	\$0	\$3,366	\$0	85.80							
14368230	12 GEV BL13-01...		Connect HMS Q1 to SHMS DCPS #2	27-Jun-12	28-Jun-12	0.40	\$1,412	0.80	\$0	\$1,412	\$0	85.80							
14368235	12 GEV BL13-01...		Test Power Supply DCPS #2	29-Jun-12	03-Jul-12	0.60	\$3,366	1.20	\$0	\$3,366	\$0	85.80							
14368240	12 GEV BL13-01...		Connect HMS Dipole to SHMS DCPS #3	17-Apr-13	18-Apr-13	0.40	\$1,457	0.80	\$0	\$1,457	\$0	47.00							
14368245	12 GEV BL13-01...		Test Power Supply DCPS #3	19-Apr-13	23-Apr-13	0.60	\$3,473	1.20	\$0	\$3,473	\$0	47.00							
14368250	12 GEV BL13-01...		Connect HMS Dipole to SHMS DCPS #4	24-Apr-13	25-Apr-13	0.40	\$1,457	0.80	\$0	\$1,457	\$0	47.00							
14368255	12 GEV BL13-01...		Test Power Supply DCPS #4	26-Apr-13	30-Apr-13	0.60	\$3,473	1.20	\$0	\$3,473	\$0	47.00							
14368260	12 GEV BL13-01...		Connect HMS Dipole to SHMS DCPS #5	01-May-13	02-May-13	0.40	\$1,457	0.80	\$0	\$1,457	\$0	47.00							
14368265	12 GEV BL13-01...		Test Power Supply DCPS #5	03-May-13	07-May-13	0.60	\$3,473	1.20	\$0	\$3,473	\$0	47.00							
14368280LOE	12 GEV BL13-01...		Installation Management P1	01-Jul-13	30-Sep-13	12.80	\$24,044	8.25	\$0	\$24,044	\$0	99.00							
14368285LOE	12 GEV BL13-01...		Installation Management P2	01-Oct-13	30-Sep-14	49.60	\$96,175	33.00	\$0	\$96,175	\$0	99.00							
14368300	12 GEV BL13-01...		Install SHMS Position Readback System	11-Mar-14	07-Apr-14	4.00	\$7,312	4.00	\$0	\$8,411	\$1,099	48.60							
14368305	12 GEV BL13-01...		Install Rotation Controls of Supprt Struct	11-Mar-14	07-Apr-14	4.00	\$18,915	8.00	\$90,550	\$109,465	\$0	48.60							
14368310	12 GEV BL13-01...		Install Cable Trays of Supprt Struct	17-Oct-13	06-Nov-13	3.00	\$11,314	6.00	\$15,695	\$27,010	\$0	21.40							
14368315	12 GEV BL13-01...		Install AC Pwr for Supprt Struct	05-Sep-13	09-Oct-13	5.00	\$18,267	10.00	\$45,879	\$77,849	\$13,703	25.40							
14368317	12 GEV BL13-01...		Install LCW for Supprt Struct	05-Sep-13	09-Oct-13	5.00	\$18,293	10.00	\$14,447	\$37,899	\$5,160	25.40							
14368320	12 GEV BL13-01...		Install Fire Protection & Detection Sys of Supprt Struct	17-Oct-13	30-Oct-13	2.00	\$7,286	4.00	\$22,939	\$36,455	\$6,230	22.40							
14368325	12 GEV BL13-01...		Install Rails of Supprt Struct	19-Nov-12	10-Jan-13	6.20	\$3,669	2.00	\$0	\$44,790	\$41,122	21.40							
14368330	12 GEV BL13-01...		Assemble Main Carriage of Supprt Struct	05-Apr-13	28-Jun-13	12.00	\$31,267	13.00	\$60,366	\$173,877	\$82,243	21.40							
14368333	12 GEV BL13-01...		Install Cryo Boom Support	01-Jul-13	02-Jul-13	0.40	\$0	0.00	\$0	\$0	\$0	37.20							
14368335M	12 GEV BL13-01...		Central Rails for SHMS Installed (SHIELD HOUSE)	11-Jan-13		0.00	\$0	0.00	\$0	\$0	\$0	110.00							
14368340	12 GEV BL13-01...		Install Cable Tray & Conduits (SHIELD HOUSE)	19-Nov-13	02-Jan-14	5.00	\$11,314	6.00	\$15,695	\$27,010	\$0	22.00							
14368345	12 GEV BL13-01...		Install Shield House HVAC (SHIELD HOUSE)	03-Feb-14	07-Feb-14	1.00	\$1,462	0.80	\$10,648	\$12,111	\$0	22.00							
14368350	12 GEV BL13-01...		Install and Prep Electronics Room DAQ Racks (SHIELD HOUSE)	10-Feb-14	10-Mar-14	4.00	\$10,981	6.00	\$0	\$16,475	\$5,494	22.00							
14368355	12 GEV BL13-01...		Forming Work for Concrete	16-Jul-13	20-Aug-13	5.20	\$13,742	6.00	\$108,180	\$121,923	\$0	21.40							
14368360	12 GEV BL13-01...		Pour concrete and remove forms	21-Aug-13	04-Sep-13	2.00	\$3,669	2.00	\$277,881	\$281,550	\$0	21.40							
14368365	12 GEV BL13-01...		Concrete Hardening Period	05-Sep-13	16-Oct-13	6.00	\$0	0.00	\$0	\$0	\$0	21.40							
14368370	12 GEV BL13-01...		Fab Raised Floor (SHIELD HOUSE)	19-Nov-13	18-Dec-13	4.00	\$3,977	2.00	\$53,241	\$57,218	\$0	23.00							
14368375	12 GEV BL13-01...		Install Shield House Electrical Pwr (SHIELD HOUSE)	03-Jan-14	07-Feb-14	5.00	\$9,766	4.00	\$0	\$15,995	\$6,230	22.00							
14368380	12 GEV BL13-01...		Install Fire Protection and Flamm Gas det. (SHIELD HOUSE)	10-Jan-14	07-Feb-14	4.00	\$9,108	5.00	\$38,373	\$47,481	\$0	22.00							
14368383	12 GEV BL13-01...		Procure SHMS Steel Platforms and Stairs	03-Dec-12	30-Apr-13	19.80	\$0	0.00	\$87,898	\$87,898	\$0	45.40							
14368385	12 GEV BL13-01...		Install SHMS Steel Platforms and Stairs	05-Sep-13	25-Sep-13	3.00	\$0	0.00	\$0	\$24,919	\$24,919	27.40							
14368390	12 GEV BL13-01...		Stack Calorimeter Blocks (SHOWER COUNTER)	19-Nov-13	18-Dec-13	4.00	\$14,675	8.00	\$0	\$14,675	\$0	35.00							
14368395	12 GEV BL13-01...		Connect PMTs & Cables (SHOWER COUNTER)	19-Dec-13	09-Jan-14	2.00	\$3,643	2.00	\$0	\$3,643	\$0	45.60							
14368400	12 GEV BL13-01...		Test Calorimeter (SHOWER COUNTER)	10-Jan-14	05-Mar-14	7.40	\$3,192	4.00	\$0	\$3,192	\$0	45.60							
14368410	12 GEV BL13-01...		Install Electrcn's (FAST Electrcn's)	11-Mar-14	20-Aug-14	23.00	\$65,576	30.00	\$0	\$65,576	\$0	22.00							
14368415	12 GEV BL13-01...		Connect Additional Quad for Moeller polarimeter	27-Jun-13	08-Jan-14	26.00	\$37,195	18.00	\$12,073	\$49,268	\$0	60.80							
14368420	12 GEV BL13-01...		Adjust Compton Elevation (Notebook)	08-Jan-13	20-Mar-13	10.00	\$18,652	10.00	\$0	\$18,652	\$0	100.60							
14368425	12 GEV BL13-01...		Install QR Magnets (Notebook)	16-May-12	26-Jul-12	10.00	\$10,964	6.00	\$0	\$10,964	\$0	132.20							
14368430	12 GEV BL13-01...		Install Beam Stands (Beam Pipe)	16-Sep-14	22-Sep-14	1.00	\$26,579	12.00	\$0	\$26,579	\$0	15.20							
14368435	12 GEV BL13-01...		Install Beam Pipe and Vac Fittings	11-Dec-14	17-Dec-14	1.00	\$1,834	1.00	\$0	\$14,294	\$12,460	4.20							
14368440	12 GEV BL13-01...		Leak Test Beam Pipe Vac Sys	18-Dec-14	31-Dec-14	1.00	\$0	0.00	\$0	\$32,272	\$32,272	4.20							
14368445	12 GEV BL13-01...		Install Spool & Bellows for All Magnets	17-Dec-14	05-Feb-15	6.00	\$44,148	21.00	\$0	\$63,333	\$19,184	17.40							
14368450	12 GEV BL13-01...		Install Windows & Flanges	25-Jul-14	05-Sep-14	6.00	\$17,257	8.00	\$0	\$17,257	\$0	37.40							
14368455	12 GEV BL13-01...		Install Shutter Exit Window	30-Apr-14	06-May-14	1.00	\$22,914	11.00	\$0	\$22,914	\$0	16.80							
14368460	12 GEV BL13-01...		Install Sieve Slit Sys	16-Feb-15	02-Mar-15	2.00	\$13,126	6.00	\$0	\$72,461	\$59,334	4.20							
14368465	12 GEV BL13-01...		Install Slit Controls	16-Feb-15	02-Mar-15	2.00	\$2,894	1.00	\$0	\$16,080	\$13,185	4.20							
14368470	12 GEV BL13-01...		Install Cables & Produce Final Drawings (CABLING)	03-Jan-14	31-Mar-14	12.00	\$116,475	59.00	\$0	\$170,624	\$54,149	22.00							

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14368475	12 GEV BL13-01...		Assemble Iron Yoke for Q3 magnet	23-Oct-14	27-Oct-14	0.60	\$8,860	4.00	\$0	\$8,860	\$0	6.20							
14368480	12 GEV BL13-01...		Assemble Iron Yoke for Q2 magnet	04-Sep-14	08-Sep-14	0.60	\$8,860	4.00	\$0	\$8,860	\$0	6.20							
14368485	12 GEV BL13-01...		Inspect & Assemble Iron Yoke for Dipole magnet	01-Jul-13	29-Jul-13	4.00	\$33,450	15.00	\$0	\$33,450	\$0	33.60							
14368490	12 GEV BL13-01...		Q2 HC & FF Test	20-Oct-14	24-Oct-14	1.00	\$7,623	3.00	\$0	\$7,623	\$0	12.80							
14368495	12 GEV BL13-01...		Q2 Cooldown and Acceptance Test	15-Sep-14	24-Oct-14	6.00	\$9,458	4.00	\$0	\$9,458	\$0	5.40							
14368500	12 GEV BL13-01...		Q3- HC & FF Test	10-Dec-14	16-Dec-14	1.00	\$7,623	3.00	\$0	\$7,623	\$0	5.40							
14368505	12 GEV BL13-01...		Q3 Cooldown and Acceptance Test	03-Nov-14	16-Dec-14	6.00	\$9,458	4.00	\$0	\$9,458	\$0	5.40							
<b>COSTED BL13-006 12 GeV CR12-040,13-001D,03,08,09,02,04,05,12,06</b>				02-Jan-09	09-Mar-15	306.40	\$5,186,463	2347.28	\$19,173,094	\$25,640,395	\$1,280,838	78.20							
<b>1.4 CONSTRUCTION UPGRADE HALLS A, B, &amp; C</b>				02-Jan-09	09-Mar-15	306.40	\$5,186,463	2347.28	\$19,173,094	\$25,640,395	\$1,280,838	78.20							
<b>1.4.3 CONSTRUCTION HALL C</b>				02-Jan-09	09-Mar-15	306.40	\$5,186,463	2347.28	\$19,173,094	\$25,640,395	\$1,280,838	78.20							
<b>1.4.3.1 MAGNET</b>				02-Jan-09	09-Mar-15	306.40	\$1,787,090	740.13	\$12,759,008	\$14,938,004	\$391,906	78.20							
<b>1.4.3.1.1 HB MAGNET</b>				14-Oct-09	30-Sep-14	246.00	\$202,825	81.32	\$965,757	\$1,205,668	\$37,086	99.00							
14311000M	12 GEV BL13-00...		HB- Award Contract for HB Mag	14-Oct-09*		0.00	\$0	0.00	\$0	\$0	\$0	0.00							
14311002	12 GEV BL13-00...		HB- Contractor Expenses (FROZEN by CR10-063)	14-Oct-09	10-Nov-09	4.00	\$0	0.00	\$18,679	\$18,679	\$0	71.80							
14311005	12 GEV BL13-00...		HB- Finalise Dsgn for HB Mag (FROZEN by CR10-063)	14-Oct-09	27-Apr-10	26.00	\$0	0.00	\$92,438	\$96,833	\$4,395	49.80							
14311010	12 GEV BL13-00...		HB- Dsgn Review of HB Mag (FROZEN by CR10-063)	28-Apr-10	04-May-10	1.00	\$2,634	1.00	\$0	\$4,832	\$2,198	49.80							
14311015	12 GEV BL13-00...		HB- Insulate Superconductor (FROZEN by CR10-063)	05-May-10	02-Jun-10	4.00	\$0	0.00	\$13,185	\$13,185	\$0	49.80							
14311066	12 GEV BL13-00...		HB-Arrival Test @ Jlab	30-Dec-13	28-Jan-14	4.00	\$15,246	6.00	\$0	\$15,246	\$0	45.20							
14311071	12 GEV BL13-00...		HB Drawing Validation	31-Oct-13	02-Apr-14	20.00	\$23,861	12.00	\$0	\$23,861	\$0	59.60							
14311072	12 GEV BL13-00...		HB Site Inspections FY12	03-Jan-12	28-Sep-12	37.80	\$0	0.00	\$0	\$2,371	\$2,371	86.80							
14311072a	12 GEV BL13-00...		HB Site Inspections FY13	01-Oct-12	28-Jun-13	36.80	\$0	0.00	\$0	\$2,382	\$2,382	86.80							
14311073	12 GEV BL13-00...		HB Design Reviews FY11	05-May-11	30-Sep-11	20.80	\$2,261	0.83	\$0	\$4,148	\$1,887	45.60							
14311073a	12 GEV BL13-00...		HB Design Reviews FY12	03-Oct-11	31-Oct-11	4.20	\$471	0.17	\$0	\$864	\$393	45.60							
14311075	12 GEV BL13-00...	13-006	HB Retest at Jlab	11-Aug-14	08-Sep-14	4.00	\$0	0.00	\$0	\$0	\$0	19.20							
14311080	12 GEV BL13-00...		Reverse Entry - Change Request 10-063	01-Jul-10	01-Jul-10	0.20	(\$2,634)	-1.00	(\$124,303)	(\$133,530)	(\$6,593)	45.80							
14311082	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #1 Preliminary Design Review	02-Jul-10	29-Oct-10	16.80	\$0	0.00	\$13,521	\$13,521	\$0	45.60							
14311082a	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #2 HB Analysis Complete	02-Jul-10	28-Feb-11	32.00	\$0	0.00	\$146,795	\$146,795	\$0	45.60							
14311082b	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #3 Intermediate Design Review	02-Jul-10	30-Jun-11	49.40	\$0	0.00	\$175,768	\$175,768	\$0	45.60							
14311084	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #4 Final Design Review	02-Jul-10	31-Oct-11	66.40	\$0	0.00	\$169,973	\$169,973	\$0	45.60							
14311086	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #5a HB Cold Mass Complete	02-Jul-10	29-Feb-12	81.80	\$0	0.00	\$81,838	\$81,838	\$0	45.60							
14311086a	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #5b HB Cold Mass Complete	01-Jul-11	29-Feb-12	32.40	\$0	0.00	\$34,053	\$34,053	\$0	45.40							
14311086b	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #6 Cryostat and Materials Certifications Complete	01-Jul-11	29-Jun-12	49.40	\$0	0.00	\$90,781	\$90,781	\$0	45.40							
14311086c	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #7a HB Magnet Cryostated	01-Jul-11	31-Oct-12	66.80	\$0	0.00	\$64,096	\$64,096	\$0	45.40							
14311086d	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #7b HB Magnet Cryostated	02-Apr-12	31-Oct-12	30.00	\$0	0.00	\$19,924	\$19,924	\$0	45.40							
14311086f	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #8 Magnet Complete	02-Apr-12	28-Feb-13	45.20	\$0	0.00	\$61,808	\$61,808	\$0	45.40							
14311086g	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #9 HB Tested and Mapped at MSU and delivery to JLab	02-Apr-12	28-Jun-13	62.20	\$0	0.00	\$45,391	\$45,391	\$0	45.40							
14311086h	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #10 HB Installed, Safety Review, ready for retest at JLab	02-Apr-12	30-Oct-13	79.40	\$0	0.00	\$28,973	\$28,973	\$0	45.40							
14311086j	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #11 RE-Test at JLab	02-Apr-12	28-Feb-14	94.80	\$0	0.00	\$19,315	\$19,315	\$0	45.40							
14311086k	12 GEV BL13-00...		Vend Fab HB Magnet Peg Point #12 HB Acceptance	02-Apr-12	30-May-14	107.60	\$0	0.00	\$13,521	\$13,521	\$0	45.40							
14311087	12 GEV BL13-00...		HB- Factory Mag Test of HB Mag	24-Oct-13	20-Dec-13	8.00	\$4,883	2.00	\$0	\$7,297	\$2,415	62.60							
143118P1LOE	12 GEV BL13-00...		HB Contract Mngmnt for HB Mag	14-Oct-09	30-Sep-10	47.80	\$37,198	16.00	\$0	\$41,593	\$4,395	99.00							
143118P2LOE	12 GEV BL13-00...		HB Contract Mngmnt for HB Mag	01-Oct-10	30-Sep-11	49.60	\$30,914	12.00	\$0	\$35,450	\$4,535	99.00							
143118P3LOE	12 GEV BL13-00...		HB Contract Mngmnt for HB Mag	03-Oct-11	30-Dec-11	11.60	\$7,491	2.82	\$0	\$8,590	\$1,099	99.00							
143118P3LOI	12 GEV BL13-00...		HB Contract Mngmnt for HB Mag	03-Jan-12	28-Sep-12	37.80	\$25,329	9.50	\$0	\$31,329	\$6,000	99.00							
143118P4LOE	12 GEV BL13-00...		HB Contract Mngmnt for HB Mag	01-Oct-12	30-Sep-13	49.60	\$32,921	12.00	\$0	\$40,660	\$7,739	99.00							
143118P5LOE	12 GEV BL13-00...		HB Contract Mngmnt for HB Mag	01-Oct-13	30-Sep-14	49.60	\$22,249	8.00	\$0	\$26,119	\$3,870	99.00							
<b>1.4.3.1.2 Q-1 QUADRUPOLE</b>				02-Jan-09	08-Aug-14	278.40	\$442,023	169.16	\$1,085,884	\$1,594,597	\$66,690	41.60							
14312000M	12 GEV BL13-00...		Q1- Award Contract for Q1	16-Mar-09*		0.00	\$0	0.00	\$0	\$0	\$0	0.00							
14312002	12 GEV BL13-00...		Q1- Contractor Expenses (Frozen and Reversed by Activity 14312011 per CR 09-041)	16-Mar-09	10-Apr-09	4.00	\$0	0.00	\$20,232	\$20,232	\$0	24.00							
14312005	12 GEV BL13-00...		Q1- Final Dsgn Review	19-Sep-11	23-Sep-11	1.00	\$4,585	2.00	\$0	\$9,121	\$4,535	153.60							
14312010	12 GEV BL13-00...		Q1- Finalize Dsgn of Q1 First Phase (Frozen and Reversed by Activity 14312011 per CR 09-041)	16-Mar-09	30-Apr-09	6.65	\$0	0.00	\$0	\$2,228	\$2,228	21.35							
14312010a	12 GEV BL13-00...		Q1- Finalize Dsgn of Q1 "Final Phase" (Frozen and Reversed by Activity 14312011 per CR 09-041)	17-Jun-09	31-Jul-09	6.40	\$0	0.00	\$0	\$1,437	\$1,437	8.40							
14312011	12 GEV BL13-00...		Reverse Entry for Activities 14312002, 14312010 and 14312010a per CR 09-041	03-Aug-09	03-Aug-09	0.20	\$0	0.00	(\$20,232)	(\$23,896)	(\$3,665)	8.20							
14312015	12 GEV BL13-00...		Vend Fab Q1 Procure Materials	03-Aug-09	14-Aug-09	2.00	\$0	0.00	\$108,588	\$108,588	\$0	258.20							

— Primary Baseline   
 — Remaining Work   
 — Critical Remaining Work   
 ◆ Baseline Milestone   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7		
14312020	12 GEV BL13-00...		Vend Fab Q1 Completion of Magnetic and Stress Analysis	03-Aug-09	12-Feb-10	26.00	\$0	0.00	\$54,294	\$54,294	\$0	234.20								
14312025	12 GEV BL13-00...		Vend Fab Q1 Completion of Trial Wind	03-Aug-09	15-Mar-10	30.00	\$0	0.00	\$54,294	\$54,294	\$0	230.20								
14312032	12 GEV BL13-00...		Vend Fab Q1 Completion of Preliminary Design Review	03-Aug-09	14-Jul-10	47.00	\$0	0.00	\$108,588	\$108,588	\$0	213.20								
14312034	12 GEV BL13-00...		Reverse Entry for activities 14312036,14312040,14312041 and 14312045 per CR12-003)	01-Nov-11	07-Nov-11	1.00	\$0	0.00	(\$380,059)	(\$380,059)	\$0	44.20								
14312036	12 GEV BL13-00...		Vend Fab Q1 Completion of Cold Mass Components (Frozen Per CR12-003)	03-Aug-09	29-Apr-11	86.20	\$0	0.00	\$54,294	\$54,294	\$0	174.00								
14312038	12 GEV BL13-00...		Vend Fab Q1 Completion of Cold Mass Components (Revised Per CR12-003)	01-Nov-11	30-Dec-11	7.40	\$0	0.00	\$108,588	\$108,588	\$0	108.80								
14312040	12 GEV BL13-00...		Vend Fab Q1 Completion of Cold Mass Assembly (Frozen Per CR12-003)	03-Aug-09	29-Jul-11	98.80	\$0	0.00	\$108,588	\$108,588	\$0	153.60								
14312040a	12 GEV BL13-00...		Vend Fab Q1 Completion of Cold Mass Assembly (Revised Per CR12-003)	01-Nov-11	31-May-12	28.40	\$0	0.00	\$54,294	\$54,294	\$0	108.80								
14312040d	12 GEV BL13-00...		Vend Fab Q1 Completion of Cold Mass Testing	01-Nov-11	28-Sep-12	45.20	\$0	0.00	\$54,294	\$54,294	\$0	108.80								
14312041	12 GEV BL13-00...		Vend Fab Q1 Warm Testing Complete (Frozen Per CR12-003)	03-Aug-09	31-Aug-11	103.40	\$0	0.00	\$108,588	\$108,588	\$0	155.80								
14312041a	12 GEV BL13-00...		Vend Fab Q1 Warm Testing Complete (Revised Per CR12-003)	01-Nov-11	29-Jun-12	32.40	\$0	0.00	\$54,294	\$54,294	\$0	108.80								
14312042	12 GEV BL13-00...		Vend Fab Q1 Completion of Final Design Review	03-Aug-09	31-Mar-11	82.00	\$0	0.00	\$54,294	\$54,294	\$0	178.20								
14312045	12 GEV BL13-00...		Vend Fab Q1 Completion of Cryostat Components (Frozen Per CR12-003)	03-Aug-09	30-Jun-11	94.80	\$0	0.00	\$108,588	\$108,588	\$0	165.40								
14312045a	12 GEV BL13-00...		Vend Fab Q1 Completion of Cryostat Components (Revised Per CR12-003)	01-Nov-11	31-May-12	28.40	\$0	0.00	\$108,588	\$108,588	\$0	108.80								
14312046	12 GEV BL13-00...		Vend Fab Q1 Completion of Cryostat Assembly	03-Aug-09	28-Feb-13	176.80	\$0	0.00	\$54,294	\$54,294	\$0	61.80								
14312047	12 GEV BL13-00...		Vend Fab Q1 Completion of Magnet Assembly	03-Aug-09	30-Apr-13	185.40	\$0	0.00	\$54,294	\$54,294	\$0	61.80								
14312048	12 GEV BL13-00...		Vend Fab Q1 Completion of Factory Tests by Vendor	03-Aug-09	28-Jun-13	193.80	\$0	0.00	\$54,294	\$54,294	\$0	61.80								
14312050	12 GEV BL13-00...		Vend Fab Q1 Magnet System Delivery	03-Aug-09	31-Jul-13	198.20	\$0	0.00	\$54,294	\$54,294	\$0	61.80								
14312050a	12 GEV BL13-00...	13-006	Q1 Cooldown and Acceptance Test	20-Jun-14	01-Aug-14	6.00	\$9,458	4.00	\$0	\$9,458	\$0	19.20								
14312050b	12 GEV BL13-00...	13-006	Q1 Harmonic Coil Test	04-Aug-14	08-Aug-14	1.00	\$3,812	1.50	\$0	\$3,812	\$0	23.20								
14312050c	12 GEV BL13-00...		Vend Fab Q1 Magnet Acceptance	03-Aug-09	30-Sep-13	206.60	\$0	0.00	\$108,588	\$108,588	\$0	61.80								
14312050d	12 GEV BL13-00...		Q1 Drawing Validation	06-Dec-13	06-May-14	20.00	\$23,861	12.00	\$0	\$23,861	\$0	54.80								
14312051M	12 GEV BL13-00...	13-006	Q1 Acceptance Test Complete		01-Aug-14	0.00	\$0	0.00	\$0	\$0	\$0	24.20								
14312052M	12 GEV BL13-00...		Factory Low Current Mag Test of Q1 Complete		31-Aug-11	0.00	\$0	0.00	\$0	\$0	\$0	155.80								
14312053M	12 GEV BL13-00...		Q1 Delivered to JLab		05-Dec-13*	0.00	\$0	0.00	\$0	\$0	\$0	44.40								
14312055	12 GEV BL13-00...	13-006	Pay Profit on Q1	04-Aug-14	04-Aug-14	0.20	\$0	0.00	\$0	\$0	\$0	32.40								
143128P1LOE	12 GEV BL13-00...	13-006F	Q1- P-1 Contract Mngmnt for Q1	16-Mar-09	30-Sep-09	28.00	\$10,048	4.50	\$0	\$12,604	\$2,556	73.60								
143128P2LOE	12 GEV BL13-00...	13-006F	Q1- P-2 Contract Mngmnt for Q1	01-Oct-09	30-Sep-10	49.60	\$37,198	16.00	\$0	\$50,383	\$13,185	73.60								
143128P3LOE	12 GEV BL13-00...	13-006F	Q1- P-3 Contract Mngmnt for Q1	01-Oct-10	30-Sep-11	49.60	\$28,196	11.00	\$0	\$37,267	\$9,071	73.60								
143128P4LOE	12 GEV BL13-00...	13-006F	Q1- P-4 Contract Mngmnt for Q1	03-Oct-11	28-Sep-12	49.40	\$29,097	11.00	\$0	\$38,457	\$9,360	73.60								
143128P5LOE	12 GEV BL13-00...	13-006F	Q1- P-5 Contract Mngmnt for Q1	01-Oct-12	30-Sep-13	49.60	\$30,026	11.00	\$0	\$42,409	\$12,383	73.60								
143128P5TL	12 GEV BL13-00...	13-006	Q1- P-5 Extra Travel for Q1 Contract Mgmt	02-Jan-13	30-Sep-13	37.80	\$0	0.00	\$0	\$6,600	\$6,600	73.60								
143128PC13I	12 GEV BL13-00...	13-006	Q1- Contract Oversight Consultant FY13	02-Jan-13	30-Sep-13	37.80	\$0	0.00	\$0	\$9,000	\$9,000	73.60								
14312909LOE	12 GEV BL13-00...		Q1- FY09 Proj Mngmnt H-C upgrade	02-Jan-09	30-Sep-09	37.80	\$21,665	8.43	\$0	\$21,665	\$0	50.00								
14312910LOE	12 GEV BL13-00...		Q1- FY10 Proj Mngmnt H-C upgrade	01-Oct-09	30-Sep-10	49.60	\$58,194	21.94	\$0	\$58,194	\$0	50.00								
14312911LOE	12 GEV BL13-00...		Q1- FY11 Proj Mngmnt H-C upgrade	01-Oct-10	30-Sep-11	49.60	\$60,054	21.94	\$0	\$60,054	\$0	50.00								
14312912LOE	12 GEV BL13-00...		Q1- FY12 Proj Mngmnt H-C upgrade	03-Oct-11	28-Sep-12	49.40	\$61,713	21.85	\$0	\$61,713	\$0	50.00								
14312913LOE	12 GEV BL13-00...		Q1- FY13 Proj Mngmnt H-C upgrade	01-Oct-12	30-Sep-13	49.60	\$64,117	22.00	\$0	\$64,117	\$0	50.00								
<b>1.4.3.1.3 Q2-3 QUADRUPOLE</b>				<b>14-Dec-09</b>	<b>09-Mar-15</b>	<b>258.60</b>	<b>\$166,789</b>	<b>66.25</b>	<b>\$2,980,000</b>	<b>\$3,224,303</b>	<b>\$77,514</b>	<b>48.80</b>								
14313000M	12 GEV BL13-00...		Q2&3- Award Contract for SHMS Q2/Q3 quadrupoles	18-Oct-10*		0.00	\$0	0.00	\$0	\$0	\$0	0.00								
14313002	12 GEV BL13-00...		Q2&3- Contractor Expenses	18-Oct-10	12-Nov-10	4.00	\$0	0.00	\$75,967	\$75,967	\$0	75.80								
14313002a	12 GEV BL13-00...		Reverse Entry per CR 11-017	01-Dec-10	07-Dec-10	1.00	\$0	0.00	(\$75,967)	(\$75,967)	\$0	80.80								
14313005	12 GEV BL13-00...		Q2&3- Finalize Dsgn for Q2/Q3 Mags Original Expenses	15-Nov-10	30-Nov-10	2.00	\$0	0.00	\$0	\$597	\$597	75.80								
14313006	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #1 Intermediate Design Review	07-Dec-10	30-Jun-11	27.80	\$0	0.00	\$158,700	\$158,700	\$0	60.00								
14313010	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #2a Final Design Review	07-Dec-10	30-Dec-11	52.20	\$0	0.00	\$441,300	\$441,300	\$0	60.00								
14313015	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #2b Final Design Review	01-Apr-11	30-Dec-11	37.20	\$0	0.00	\$48,400	\$48,400	\$0	60.00								
14313017	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #3 Cryostat Component Complete	01-Apr-11	30-Apr-12	53.80	\$0	0.00	\$432,250	\$432,250	\$0	60.00								
14313018	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #4a Cold Mass Fiducialization	01-Apr-11	28-Sep-12	75.00	\$0	0.00	\$319,350	\$319,350	\$0	60.00								
14313019	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #4b Cold Mass Fiducialization	02-Apr-12	28-Sep-12	25.40	\$0	0.00	\$112,900	\$112,900	\$0	60.00								
14313019a	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #5 Shipment	02-Apr-12	31-Jul-13	66.60	\$0	0.00	\$1,321,000	\$1,321,000	\$0	60.00								
14313019b	12 GEV BL13-00...		Vend Fab Q2&3 Peg Point #6 Final Acceptance	02-Apr-12	31-Jan-14	91.00	\$0	0.00	\$146,100	\$146,100	\$0	67.60								
14313020	12 GEV BL13-00...		PDR/IDR Site Inspection	03-Jun-11	30-Jun-11	4.00	\$2,718	1.00	\$0	\$13,510	\$10,792	60.00								
14313030	12 GEV BL13-00...		FDR Site Inspection	28-Nov-11	30-Dec-11	4.00	\$2,805	1.00	\$0	\$12,165	\$9,360	60.00								
14313220	12 GEV BL13-00...		Q2 and Q3 Coil Inspection	03-Apr-12	30-Apr-12	4.00	\$2,805	1.00	\$0	\$7,485	\$4,680	154.40								
14313230	12 GEV BL13-00...	13-006	Q2 and Q3- Insp Cold Mass	23-Oct-13	19-Nov-13	4.00	\$2,894	1.00	\$0	\$7,724	\$4,829	76.40								

█ Primary Baseline   
 █ Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14313235	12 GEV BL13-00...		Q2 and Q3 witness Pressure Tests	09-Sep-14	06-Oct-14	4.00	\$0	0.00	\$0	\$4,829	\$4,829	68.80							
14313270M	12 GEV BL13-00...		Q2 and Q3 Contract complete		09-Mar-15	0.00	\$0	0.00	\$0	\$0	\$0	13.20							
14313275	12 GEV BL13-00...		Q2&Q3 Drawing Validation	07-Oct-14	09-Mar-15	20.00	\$23,861	12.00	\$0	\$23,861	\$0	13.20							
14313P1LOE	12 GEV BL13-00...		Q2&3- P-1 Contract Mngmnt for Q2-3	14-Dec-09	30-Sep-10	39.60	\$18,599	8.00	\$0	\$24,093	\$5,494	67.60							
14313P2LOE	12 GEV BL13-00...		Q2&3- P-2 Contract Mngmnt for Q2-3	01-Oct-10	30-Sep-11	49.60	\$33,632	13.00	\$0	\$44,971	\$11,338	67.60							
14313P3LOE	12 GEV BL13-00...		Q2&3- P-3 Contract Mngmnt for Q2-3	03-Oct-11	28-Sep-12	49.40	\$34,706	13.00	\$0	\$41,726	\$7,020	67.60							
14313P4LOE	12 GEV BL13-00...		Q2&3- P-4 Contract Mngmnt for Q2-3	01-Oct-12	30-Sep-13	49.60	\$35,815	13.00	\$0	\$48,198	\$12,383	67.60							
14313P5LOE	12 GEV BL13-00...		Q2&3- P-5 Contract Mngmnt for Q2-3	01-Oct-13	31-Jan-14	16.00	\$8,954	3.25	\$0	\$15,145	\$6,191	67.60							
<b>1.4.3.1.4 DIPOLE</b>				<b>14-Dec-09</b>	<b>12-Jun-14</b>	<b>222.60</b>	<b>\$164,938</b>	<b>66.00</b>	<b>\$2,462,535</b>	<b>\$2,706,290</b>	<b>\$78,817</b>	<b>114.20</b>							
14314000M5	12 GEV BL13-00...		Dipole- Award Contract for SHMS Dipole Mag	02-Aug-10*		0.00	\$0	0.00	\$0	\$0	\$0	0.00							
14314002	12 GEV BL13-00...		Dipole- Finalize Dsgn for Dipole Mag (Original Expenses)	02-Aug-10	31-Aug-10	4.40	\$0	0.00	\$0	\$859	\$859	52.60							
14314003	12 GEV BL13-00...		Dipole- Contractor Expenses	02-Aug-10	27-Aug-10	4.00	\$0	0.00	\$59,334	\$59,334	\$0	48.60							
14314003a	12 GEV BL13-00...		Dipole Contractor Expenses - Reverse Entry	30-Sep-10	30-Sep-10	0.20	\$0	0.00	(\$59,334)	(\$59,334)	\$0	48.60							
14314004	12 GEV BL13-00...		Vend Fab Dipole Intermediate Design Review Peg Point #1	30-Sep-10	31-May-11	32.60	\$0	0.00	\$97,500	\$97,500	\$0	48.60							
14314010	12 GEV BL13-00...		Vend Fab Dipole Coil Tooling Delivered Peg Point #2	30-Sep-10	30-Sep-11	49.80	\$0	0.00	\$461,520	\$461,520	\$0	48.60							
14314012	12 GEV BL13-00...		Vend Fab Dipole Final Design Review Peg Point #3	30-Sep-10	28-Oct-11	53.80	\$0	0.00	\$97,500	\$97,500	\$0	48.60							
14314015	12 GEV BL13-00...		Vend Fab Dipole Second Coil Wind Peg Point #4a	30-Sep-10	30-Mar-12	73.80	\$0	0.00	\$43,480	\$43,480	\$0	48.60							
14314020	12 GEV BL13-00...		Vend Fab Dipole Second Coil Wind Peg Point #4b	01-Apr-11	30-Mar-12	49.60	\$0	0.00	\$348,450	\$348,450	\$0	48.60							
14314025	12 GEV BL13-00...		Vend Fab Dipole Outer Vessel Completed Peg Point #5a	01-Apr-11	31-May-12	58.20	\$0	0.00	\$251,550	\$251,550	\$0	48.60							
14314027	12 GEV BL13-00...		Vend Fab Dipole Outer Vessel Completed Peg Point #5b	02-Apr-12	31-May-12	8.60	\$0	0.00	\$185,325	\$185,325	\$0	48.60							
14314030	12 GEV BL13-00...		Vend Fab Dipole Factory Test Completed Peg Point #6	02-Apr-12	28-Feb-13	45.20	\$0	0.00	\$333,300	\$333,300	\$0	48.60							
14314030a	12 GEV BL13-00...		Dipole Magnet Shipping	01-Mar-13	11-Apr-13	6.00	\$0	0.00	\$0	\$0	\$0	48.60							
14314035	12 GEV BL13-00...		Vend Fab Dipole Magnet Accepted Peg Point #7	02-Apr-12	30-Sep-13	75.00	\$0	0.00	\$159,910	\$159,910	\$0	51.60							
14314035a	12 GEV BL13-00...	13-006	Dipole HC Test	06-Jun-14	12-Jun-14	1.00	\$7,623	3.00	\$0	\$7,623	\$0	17.20							
14314036	12 GEV BL13-00...		Dipole- Intermediate Design Review	03-May-11	31-May-11	4.00	\$2,718	1.00	\$0	\$7,253	\$4,535	48.60							
14314040	12 GEV BL13-00...	13-006	Dipole Drawing Validation	21-Jan-14	27-May-14	17.80	\$23,861	12.00	\$0	\$23,861	\$0	41.60							
14314045	12 GEV BL13-00...		Dipole- Final Design Review	03-Oct-11	28-Oct-11	4.00	\$2,805	1.00	\$0	\$7,485	\$4,680	48.60							
14314047	12 GEV BL13-00...		Dipole Inspect Coil	05-Mar-12	30-Mar-12	4.00	\$2,805	1.00	\$0	\$7,485	\$4,680	96.40							
14314048	12 GEV BL13-00...	13-006	Dipole Inspect Cold Mass	13-Dec-13	17-Jan-14	4.00	\$2,894	1.00	\$0	\$7,724	\$4,829	41.60							
14314049	12 GEV BL13-00...	13-006	Dipole Witness Final Factory Tests	09-Oct-13	05-Nov-13	4.00	\$2,894	1.00	\$0	\$7,724	\$4,829	68.40							
14314050M	12 GEV BL13-00...		Dipole Ready for Installation	20-Nov-13		0.00	\$0	0.00	\$0	\$0	\$0	17.60							
14314051M	12 GEV BL13-00...	13-006	Dipole Contract Complete	28-May-14		0.00	\$0	0.00	\$0	\$0	\$0	41.60							
14314100	12 GEV BL13-00...	13-006	Planning Package SigmaPhi Phase 1 (Coil Development)	02-Jan-13	29-Mar-13	12.20	\$0	0.00	\$250,000	\$250,000	\$0	148.60							
14314110	12 GEV BL13-00...	13-006	Planning Package SigmaPhi Phase 2 (Conductor consolidation, VPI )	01-Apr-13	30-Sep-13	25.60	\$0	0.00	\$234,000	\$234,000	\$0	148.60							
14314P1LOE	12 GEV BL13-00...	13-006F	Dipole- P-1 Contract Mngmnt for Dipole	14-Dec-09	30-Sep-10	39.60	\$23,867	10.00	\$0	\$32,657	\$8,790	73.60							
14314P2LOE	12 GEV BL13-00...	13-006F	Dipole- P-2 Contract Mngmnt for Dipole	01-Oct-10	30-Sep-11	49.60	\$33,632	13.00	\$0	\$42,703	\$9,071	73.60							
14314P3LOE	12 GEV BL13-00...	13-006F	Dipole- P-3 Contract Mngmnt for Dipole	03-Oct-11	28-Sep-12	49.40	\$34,706	13.00	\$0	\$44,066	\$9,360	73.60							
14314P4LOE	12 GEV BL13-00...	13-006F	Dipole- P-4 Contract Mngmnt for Dipole	01-Oct-12	30-Sep-13	49.60	\$27,132	10.00	\$0	\$39,515	\$12,383	73.60							
14314P4TLOE	12 GEV BL13-00...	13-006	Dipole- P-4 Contract Extra Travel	02-Jan-13	30-Sep-13	37.80	\$0	0.00	\$0	\$14,800	\$14,800	73.60							
<b>1.4.3.1.5 MAGNET COMPONENTS PROCURED BY JLAB</b>				<b>02-Jan-09</b>	<b>02-Jan-14</b>	<b>248.00</b>	<b>\$810,514</b>	<b>357.40</b>	<b>\$5,264,832</b>	<b>\$6,207,145</b>	<b>\$131,799</b>	<b>136.60</b>							
14315000	12 GEV BL13-00...		Design DC Pwr Sys for All Mag (IPL)	15-Dec-09	20-Jan-10	4.00	\$19,916	8.50	\$0	\$19,916	\$0	47.00							
14315002	12 GEV BL13-00...		Bidding Process DC Pwr Sys for HB & Q1 Mag	30-Aug-10	29-Dec-10	16.00	\$0	0.00	\$0	\$0	\$0	47.00							
14315003	12 GEV BL13-00...		Bidding Process DC Pwr Sys for Q2/Q3/Dipole Mag	30-Aug-10	29-Dec-10	16.00	\$0	0.00	\$0	\$0	\$0	47.00							
14315007	12 GEV BL13-00...		Test & Integrate DC Pwr Sys for all magnets	01-Oct-13	02-Jan-14	12.00	\$40,239	17.00	\$0	\$40,239	\$0	16.80							
14315010	12 GEV BL13-00...	13-006F	Design Superconductor for Q2/3 and Dipole	02-Jan-09	30-Jan-09	4.00	\$12,090	5.30	\$0	\$12,090	\$0	165.20							
14315012	12 GEV BL13-00...		Bidding Process Superconductor for Q2/3 and Dipole	10-Jun-09	05-Aug-09	8.00	\$0	0.00	\$0	\$0	\$0	84.80							
14315015	12 GEV BL13-00...		Procure and Extrude Copper Stabilizer	03-May-10	21-Dec-10	32.40	\$0	0.00	\$214,142	\$214,142	\$0	48.60							
14315015A	12 GEV BL13-00...		Solder SC Cable to Extrusion	06-Aug-10	25-Jan-11	22.60	\$0	0.00	\$181,696	\$181,696	\$0	50.60							
14315015A5	12 GEV BL13-00...		Completion of Solder SC Cable to Extrusion Part A	02-May-11	13-May-11	2.00	\$0	0.00	\$92,000	\$92,000	\$0	50.60							
14315015A5a	12 GEV BL13-00...		Completion of Solder SC Cable to Extrusion Part B	02-May-11	13-May-11	2.00	\$0	0.00	\$15,000	\$15,000	\$0	50.60							
14315015B	12 GEV BL13-00...		Obtain RRR Measurement of Copper Part A	06-Aug-10	25-Jan-11	22.60	\$0	0.00	\$12,500	\$12,500	\$0	48.60							
14315015Ba	12 GEV BL13-00...		Obtain RRR Measurement of Copper Part B	06-Aug-10	25-Jan-11	22.60	\$0	0.00	\$12,500	\$12,500	\$0	48.60							
14315016	12 GEV BL13-00...		Inspect & Ship Superconductor for Q2/3 and Dipole to ReRolling Facility	26-Jan-11	09-Mar-11	6.00	\$24,793	11.00	\$0	\$37,265	\$12,472	48.60							
14315018	12 GEV BL13-00...		ReRoll Superconductor Prototype Run	02-May-11	27-May-11	4.00	\$0	0.00	\$15,000	\$15,000	\$0	48.60							
14315019	12 GEV BL13-00...		ReDraw Superconductor Production Run	04-Jan-12	15-Feb-12	6.00	\$2,805	1.00	\$100,000	\$106,205	\$3,400	53.40							

— Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7
14315019A	12 GEV BL13-00...	13-006	Dimensional Inspection of Soldered Conductor at Vendor	02-Jan-13	25-Apr-13	16.00	\$41,227	18.00	\$0	\$41,227	\$0	48.60						
14315019B	12 GEV BL13-00...	13-006	Materials to support Conductor Inspection at Vendor	02-Jan-13	25-Apr-13	16.00	\$0	0.00	\$25,000	\$25,000	\$0	48.60						
14315020	12 GEV BL13-00...		Ship Superconductor for Q2/3 and Dipole to Magnet Vendor	31-May-11	27-Jun-11	4.00	\$0	0.00	\$0	\$12,500	\$12,500	48.60						
14315022	12 GEV BL13-00...		Bidding Process Cryo Reservoirs for All Mag	26-May-09	04-Aug-09	10.00	\$0	0.00	\$0	\$0	\$0	79.80						
14315025	12 GEV BL13-00...		Vend Fab Cryo Reservoirs Receipt of Materials less Electric Cylinders and LVDTs	04-Jan-10	29-Jan-10	3.80	\$0	0.00	\$242,300	\$242,300	\$0	60.00						
14315026	12 GEV BL13-00...		Vend Fab Cryo Reservoirs Receipt of Electric Cylinders and LVDTs	04-Jan-10	31-Mar-10	12.20	\$0	0.00	\$134,500	\$134,500	\$0	60.00						
14315027	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#2 & 3 JT Valves and Bayonets Complete	04-Jan-10	31-Aug-10	33.60	\$0	0.00	\$52,000	\$52,000	\$0	60.00						
14315027A	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#2 & 3 Complete	04-Jan-10	30-Dec-10	49.40	\$0	0.00	\$42,000	\$42,000	\$0	60.00						
14315027B	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#2 & 3 Approved Acceptance Test/Shipment	04-Jan-10	31-Jan-11	53.40	\$0	0.00	\$69,100	\$69,100	\$0	60.00						
14315027C	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#1 Test and Fabrication Documentation	04-Jan-10	28-Feb-11	57.20	\$0	0.00	\$28,000	\$28,000	\$0	60.00						
14315027D	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 JT Valves and Bayonets Complete	04-Jan-10	31-Aug-10	33.60	\$0	0.00	\$78,000	\$78,000	\$0	60.00						
14315027F	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Complete	04-Jan-10	31-Oct-11	91.60	\$0	0.00	\$63,000	\$63,000	\$0	60.00						
14315027G	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Approved Acceptance Test/Shipment	04-Jan-10	29-Dec-11	98.80	\$0	0.00	\$101,900	\$101,900	\$0	60.00						
14315027H	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Test and Fabrication Documentation	04-Jan-10	31-Jan-12	103.00	\$0	0.00	\$42,100	\$42,100	\$0	60.00						
14315027J	12 GEV BL13-00...		Vend Fab Cryo Reservoirs CCR#4 5 & 6 Vendor Change Order	01-Sep-10	01-Sep-10	0.20	\$0	0.00	\$21,000	\$21,000	\$0	129.20						
14315028	12 GEV BL13-00...		Inspect & Ship Cryo Reservoirs for HB & Q1 magnets	01-Feb-11	29-Apr-11	12.60	\$45,713	21.00	\$0	\$54,784	\$9,071	107.20						
14315029	12 GEV BL13-00...		Inspect & Ship Cryo Reservoirs for Q2/3 & Dipole magnets	30-Dec-11	28-Feb-12	8.00	\$64,486	28.00	\$0	\$82,036	\$17,550	60.00						
14315030	12 GEV BL13-00...		Design Instruments & Controls for All Mag FY09	02-Jul-09	30-Sep-09	12.60	\$19,941	8.76	\$0	\$19,941	\$0	79.00						
14315030b	12 GEV BL13-00...		Design Instruments & Controls for All Mag FY10	01-Oct-09	21-May-10	31.40	\$51,283	21.84	\$0	\$51,283	\$0	79.00						
14315031M	12 GEV BL13-00...		Q1 Magnet Vendor Receipt of Cryoresevoir		29-Apr-11	0.00	\$0	0.00	\$0	\$0	\$0	107.20						
14315032	12 GEV BL13-00...		Bidding Process Instruments & Controls for All Mag	24-May-10	28-May-10	1.00	\$0	0.00	\$0	\$0	\$0	79.00						
14315035	12 GEV BL13-00...		Proc Instruments & Controls for HB and Q1 magnets	01-Jun-10	03-Dec-10	26.00	\$0	0.00	\$343,920	\$343,920	\$0	79.00						
14315036	12 GEV BL13-00...		Proc Instruments & Controls for Q2/3 and Dipole magnets Part A	05-Mar-12	05-Sep-12	26.00	\$0	0.00	\$133,000	\$133,000	\$0	52.20						
14315036a	12 GEV BL13-00...	13-006	Proc Instruments & Controls for Q2/3 and Dipole magnets Part B	01-Feb-13	30-Sep-13	33.60	\$0	0.00	\$137,243	\$137,243	\$0	52.20						
14315037	12 GEV BL13-00...		Assemble & Test Instruments & Controls Phase 3 FY12	16-Apr-12	28-Sep-12	23.40	\$115,341	52.37	\$0	\$115,341	\$0	52.20						
14315037a	12 GEV BL13-00...		Assemble & Test Instruments & Controls Phase 2 (FY11)	05-May-11	26-Sep-11	20.00	\$69,550	33.00	\$0	\$69,550	\$0	79.00						
14315037b	12 GEV BL13-00...		Assemble & Test Instruments & Controls Phase 3 FY13	01-Oct-12	15-Apr-13	26.20	\$133,269	58.63	\$0	\$133,269	\$0	52.20						
14315038	12 GEV BL13-00...		Assemble & Test Instruments & Controls Phase 1 (FY10)	06-Dec-10	04-May-11	20.00	\$69,550	33.00	\$0	\$69,550	\$0	79.00						
14315042	12 GEV BL13-00...	13-006F	Bidding Process Iron Yoke for Q2/3 and Dipole	05-Mar-09	25-Jun-09	16.00	\$0	0.00	\$0	\$0	\$0	167.20						
14315043	12 GEV BL13-00...		Dipole Top and Bottom Plates	12-Jan-12	03-Jul-12	24.00	\$0	0.00	\$190,000	\$190,000	\$0	114.00						
14315044LOE	12 GEV BL13-00...		Travel Expenses to Yoke Steel Casting Vendor FY12	01-Feb-12	28-Sep-12	33.80	\$0	0.00	\$0	\$31,530	\$31,530	81.80						
14315044LOI	12 GEV BL13-00...		Travel Expenses to Yoke Steel Casting Vendor FY13	01-Oct-12	28-Feb-13	19.80	\$0	0.00	\$0	\$19,059	\$19,059	81.80						
14315045	12 GEV BL13-00...	13-006F	Vend Fab Yoke Steel Planning for Dipole, Q2, Q3 Delivered & Accepted	12-Jan-12	30-Mar-12	11.00	\$0	0.00	\$10,000	\$10,000	\$0	41.60						
14315045A	12 GEV BL13-00...	13-006F	Vend Fab Yoke Steel Receipt of Steel Material Inspected	12-Jan-12	31-May-12	19.60	\$0	0.00	\$262,000	\$262,000	\$0	41.60						
14315045B	12 GEV BL13-00...	13-006F	Vend Fab Yoke Steel 1st Article: 1st Dipole/Yoke/Casting Insp/Accept	12-Jan-12	29-Jun-12	23.60	\$0	0.00	\$150,000	\$150,000	\$0	41.60						
14315045C	12 GEV BL13-00...		Vend Fab Yoke Steel SHMS Dipole Casting/ Annealing Comp. Casting Delv/Accept	12-Jan-12	31-Aug-12	32.60	\$0	0.00	\$558,000	\$558,000	\$0	81.80						
14315045D	12 GEV BL13-00...		Vend Fab Yoke Steel SHMS Q3 Cast/Annel Comp. Cast Deliv.Accept	12-Jan-12	31-Oct-12	41.00	\$0	0.00	\$190,000	\$190,000	\$0	81.80						
14315045F	12 GEV BL13-00...		Vend Fab Yoke Steel SHMS Q2 Cast/Annel Comp. Cast Deliv/Accept	12-Jan-12	28-Feb-13	56.20	\$0	0.00	\$128,000	\$128,000	\$0	81.80						
14315046	12 GEV BL13-00...	13-006F	Large Magnet Yoke Machining	16-Jul-12	28-Jun-13	47.60	\$0	0.00	\$480,000	\$480,000	\$0	41.60						
14315046a	12 GEV BL13-00...	13-006F	Vend Fab Yoke supports and cylinders	03-Feb-12	24-Jul-12	24.00	\$0	0.00	\$108,350	\$108,350	\$0	75.80						
14315046b	12 GEV BL13-00...	13-006F	Procure Yoke Hardware	25-Jul-12	17-Oct-12	12.00	\$0	0.00	\$15,000	\$15,000	\$0	75.80						
14315050LOE	12 GEV BL13-00...	13-006F	Procurement Oversight	01-May-09	30-Sep-09	21.20	\$18,822	8.00	\$0	\$25,070	\$6,249	148.60						
14315050LOI	12 GEV BL13-00...	13-006F	Procurement Oversight	01-Oct-09	30-Sep-10	49.60	\$19,423	8.00	\$0	\$25,871	\$6,448	148.60						
14315050LOI	12 GEV BL13-00...	13-006F	Procurement Oversight	01-Oct-10	29-Sep-11	49.40	\$20,042	8.00	\$0	\$26,696	\$6,654	148.60						
14315050LOI	12 GEV BL13-00...	13-006F	Procurement Oversight FY11	30-Sep-11	30-Sep-11	0.20	\$81	0.03	\$0	\$108	\$27	148.60						
14315050LOE	12 GEV BL13-00...	13-006F	Procurement Oversight FY12	03-Oct-11	27-Sep-12	49.20	\$20,599	7.97	\$0	\$27,437	\$6,838	148.60						
14315050LOI	12 GEV BL13-00...	13-006	Procurement Oversight FY13	02-Jan-13	30-Sep-13	37.80	\$21,343	8.00	\$0	\$21,343	\$0	148.60						
14315055	12 GEV BL13-00...		Procure Burnout Resistant Current Leads	03-May-10	28-May-10	4.00	\$0	0.00	\$95,500	\$95,500	\$0	64.40						
14315060	12 GEV BL13-00...		Vend Fab DCPS - Design & Approval	30-Sep-10	28-Feb-11	19.60	\$0	0.00	\$225,000	\$225,000	\$0	47.00						
14315065	12 GEV BL13-00...		Vend Fab DCPS - Materials in-house to start prod: Items 1&2	30-Sep-10	29-Apr-11	28.40	\$0	0.00	\$159,000	\$159,000	\$0	47.00						
14315070	12 GEV BL13-00...		Vend Fab DCPS - Materials in-house to start prod: Items 3,4,&5	30-Sep-10	30-Nov-11	58.00	\$0	0.00	\$245,000	\$245,000	\$0	47.00						
14315075	12 GEV BL13-00...		Vend Fab DCPS - Shipment of Items 1&2	30-Sep-10	29-Feb-12	69.40	\$0	0.00	\$77,000	\$77,000	\$0	47.00						
14315080	12 GEV BL13-00...		Vend Fab DCPS - Arrival Test of Items 1&2	30-Sep-10	31-May-12	82.40	\$0	0.00	\$28,000	\$28,000	\$0	47.00						
14315085	12 GEV BL13-00...		Vend Fab DCPS - Shipment of Items 3,4,&5	30-Sep-10	30-Oct-12	103.60	\$0	0.00	\$117,000	\$117,000	\$0	47.00						
14315090	12 GEV BL13-00...		Vend Fab DCPS - Arrival Test of Items 3,4,&5	30-Sep-10	29-Mar-13	123.20	\$0	0.00	\$53,320	\$53,320	\$0	99.60						

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14315095	12 GEV BL13-00...		Vend Fab DCPS -Delivery of Spare Parts & Maintenance Inventory	30-Sep-10	29-Mar-13	123.20	\$0	0.00	\$17,762	\$17,762	\$0	99.60							
14315100	12 GEV BL13-00...	13-006	Install Moeller Quad #2 (6GEV)	27-Jun-13	27-Jun-13	0.20	\$0	0.00	\$0	\$0	\$0	67.80							
<b>1.4.3.2 DETECTOR</b>				<b>01-Oct-09</b>	<b>31-Dec-13</b>	<b>210.00</b>	<b>\$387,356</b>	<b>189.80</b>	<b>\$599,316</b>	<b>\$1,043,821</b>	<b>\$57,149</b>	<b>136.80</b>							
<b>1.4.3.2.1 WIRE CHAMBERS</b>				<b>01-Oct-09</b>	<b>31-May-13</b>	<b>181.40</b>	<b>\$44,677</b>	<b>19.00</b>	<b>\$71,976</b>	<b>\$116,653</b>	<b>\$0</b>	<b>76.80</b>							
14321000M	12 GEV BL13-00...		Award Contract for Wire Chambs	01-Oct-09		0.00	\$0	0.00	\$0	\$0	\$0	95.80							
14321005	12 GEV BL13-00...		Fab Wire Chambers at University	01-Oct-09	28-Sep-11	98.80	\$0	0.00	\$0	\$0	\$0	95.80							
14321007	12 GEV BL13-00...		Procure Connectors and Components	01-Jul-10	30-Sep-10	12.80	\$0	0.00	\$50,000	\$50,000	\$0	194.60							
14321015M	12 GEV BL13-00...		Test Wire Chambers at University		27-Sep-12	0.00	\$0	0.00	\$0	\$0	\$0	95.80							
143218P1LOE	12 GEV BL13-00...		P-1 Supervise Fab of Wire Chambs	01-Oct-09	30-Sep-10	49.60	\$0	0.00	\$0	\$0	\$0	145.60							
143218P2LOE	12 GEV BL13-00...		P-2 Supervise Fab of Wire Chambs	01-Oct-10	27-Sep-11	49.00	\$30,109	11.00	\$0	\$30,109	\$0	145.60							
14321900	12 GEV BL13-00...		Proc Prep and Fab of Drift Gas Manifold Parts Original	30-Jan-12	31-Jan-12	0.40	\$385	0.20	\$0	\$385	\$0	143.40							
14321900a	12 GEV BL13-00...		Reverse Entry per CR12-022	03-Feb-12	06-Feb-12	0.40	(\$385)	-0.20	\$0	(\$385)	\$0	33.00							
14321900b	12 GEV BL13-00...		Proc Prep and Fab of Drift Gas Manifold Parts Revised per CR12-022	03-Jan-13	31-May-13	20.80	\$3,977	2.00	\$21,976	\$25,953	\$0	76.80							
14321905	12 GEV BL13-00...		Refurbish LVPS	03-Feb-12	24-Jul-12	24.00	\$10,591	6.00	\$0	\$10,591	\$0	102.00							
<b>1.4.3.2.2 HODOSCOPE (Trigger Hodoscopes)</b>				<b>01-Oct-09</b>	<b>30-Sep-11</b>	<b>99.20</b>	<b>\$24,108</b>	<b>12.00</b>	<b>\$0</b>	<b>\$24,108</b>	<b>\$0</b>	<b>145.00</b>							
14322000M	12 GEV BL13-00...		Award Contract for Scintillator Hodoscope Planes	01-Oct-09		0.00	\$0	0.00	\$0	\$0	\$0	145.00							
14322005M	12 GEV BL13-00...		Award Contract for Quartz Hodoscope Planes	01-Oct-09		0.00	\$0	0.00	\$0	\$0	\$0	145.00							
14322010	12 GEV BL13-00...		Fab 3 Scintillator Planes (incl Supprt) (HODOSCP)	01-Oct-09	30-Sep-11	99.20	\$0	0.00	\$0	\$0	\$0	145.00							
14322013	12 GEV BL13-00...		Detail Quartz Hodoscope Mounts	04-Mar-11	08-Aug-11	22.00	\$24,108	12.00	\$0	\$24,108	\$0	152.60							
14322015	12 GEV BL13-00...		Fab 1 Quartz Hodoscope Plane	01-Oct-09	30-Sep-11	99.20	\$0	0.00	\$0	\$0	\$0	145.00							
<b>1.4.3.2.3 NOBLE GAS CERENKOV</b>				<b>05-Jan-12</b>	<b>30-Sep-13</b>	<b>87.00</b>	<b>\$124,450</b>	<b>67.80</b>	<b>\$79,867</b>	<b>\$217,972</b>	<b>\$13,655</b>	<b>148.60</b>							
14323000M	12 GEV BL13-00...	13-006F	Award Contract for Noble Gas Cerenkov to University	05-Jan-12		0.00	\$0	0.00	\$0	\$0	\$0	24.00							
14323005	12 GEV BL13-00...		Fab Noble Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	\$51,275	32.92	\$0	\$60,747	\$9,473	79.60							
14323005a	12 GEV BL13-00...		Fab Noble Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	\$22,635	14.08	\$0	\$26,817	\$4,182	79.60							
14323005b	12 GEV BL13-00...		Fab Noble Gas Cerenkov Procurement	05-Jan-12	31-Jan-13	53.40	\$0	0.00	\$53,247	\$53,247	\$0	79.60							
14323010	12 GEV BL13-00...	13-006F	Design & Build Vacuum Box	05-Jan-12	10-Jul-12	26.00	\$15,244	7.00	\$26,620	\$41,864	\$0	24.00							
14323015	12 GEV BL13-00...	13-006	Detailing Cerenkov-to-Magnet Interface	23-Jan-13	26-Jul-13	26.00	\$15,731	7.00	\$0	\$15,731	\$0	24.00							
143238P1LOE	12 GEV BL13-00...	13-006F	P-1 Supervise Constrctn of Noble Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	\$7,913	2.80	\$0	\$7,913	\$0	148.60							
143238P1LO	12 GEV BL13-00...	13-006F	P-1 Supervise Constrctn of Noble Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	\$3,493	1.20	\$0	\$3,493	\$0	148.60							
143238P1LO	12 GEV BL13-00...	13-006	P-2 Supervise Constrctn of Noble Gas Cerenkov	01-Feb-13	30-Sep-13	33.60	\$8,160	2.80	\$0	\$8,160	\$0	148.60							
<b>1.4.3.2.4 HEAVY GAS CERENKOV</b>				<b>06-Jun-11</b>	<b>31-Dec-13</b>	<b>127.40</b>	<b>\$109,567</b>	<b>49.00</b>	<b>\$101,576</b>	<b>\$211,143</b>	<b>\$0</b>	<b>54.80</b>							
14324000	12 GEV BL13-00...		Engineering & Design Oversight FY11	06-Jun-11	30-Sep-11	16.60	\$13,495	5.89	\$0	\$13,495	\$0	80.00							
14324000a	12 GEV BL13-00...		Engineering & Design Oversight FY12	03-Oct-11	30-Dec-11	11.60	\$9,732	4.11	\$0	\$9,732	\$0	80.00							
14324001	12 GEV BL13-00...	13-006F	Engineering & Design - Gas System FY11	06-Jun-11	30-Sep-11	16.60	\$23,985	10.44	\$0	\$23,985	\$0	109.00							
14324001a	12 GEV BL13-00...	13-006F	Engineering & Design - Gas System FY12	03-Oct-11	27-Jan-12	15.20	\$22,664	9.56	\$0	\$22,664	\$0	109.00							
14324003	12 GEV BL13-00...		Fab Gas System Original	30-Jan-12	31-Jan-12	0.40	\$1,210	0.67	\$0	\$1,210	\$0	129.40							
14324003a	12 GEV BL13-00...		Reverse Entry per CR12-022	03-Feb-12	06-Feb-12	0.40	(\$1,210)	-0.67	\$0	(\$1,210)	\$0	33.00							
14324003b	12 GEV BL13-00...	13-006	Fab Gas System Revised per CR12-022-- Procurement	04-Mar-13	24-May-13	12.00	\$9,942	5.00	\$82,409	\$92,351	\$0	54.80							
14324005	12 GEV BL13-00...	13-006	ASSEMBLE Gas System	28-May-13	31-Dec-13	29.40	\$18,344	10.00	\$0	\$18,344	\$0	54.80							
14324010	12 GEV BL13-00...		Ship and Aluminize Mirrors	05-Jan-12	31-Jan-13	53.40	\$0	0.00	\$19,167	\$19,167	\$0	79.60							
143248P1LOE	12 GEV BL13-00...		P-1 Supervise Constrctn of Heavy Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	\$7,913	2.80	\$0	\$7,913	\$0	79.60							
143248P1LO	12 GEV BL13-00...		P-1 Supervise Constrctn of Heavy Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	\$3,493	1.20	\$0	\$3,493	\$0	79.60							
<b>1.4.3.2.5 SHOWER COUNTER</b>				<b>31-May-11</b>	<b>12-Apr-13</b>	<b>92.80</b>	<b>\$0</b>	<b>0.00</b>	<b>\$88,728</b>	<b>\$88,728</b>	<b>\$0</b>	<b>82.20</b>							
14325005	12 GEV BL13-00...		Buy Lead Glass Blocks (SHOWER COUNTER)	03-Oct-11	13-Apr-12	26.00	\$0	0.00	\$0	\$0	\$0	103.00							
14325010	12 GEV BL13-00...		Buy PMTs & Bases (SHOWER COUNTER)	16-Apr-12	10-Jul-12	12.00	\$0	0.00	\$0	\$0	\$0	103.00							
14325015	12 GEV BL13-00...		Fab Supprt Sys (SHOWER COUNTER)	01-Apr-13	12-Apr-13	2.00	\$0	0.00	\$0	\$0	\$0	65.60							
14325027	12 GEV BL13-00...		Procure F250 ADCs (SHOWER COUNTER)	04-Jan-12	30-Nov-12	46.20	\$0	0.00	\$74,378	\$74,378	\$0	84.20							
14325027a	12 GEV BL13-00...		Procure CTP for Calorimeter Ref. Hall D 1543025	12-Jul-11	31-Aug-11	7.40	\$0	0.00	\$5,000	\$5,000	\$0	146.20							
14325027b	12 GEV BL13-00...		Procure TI for Calorimeter Ref. Hall D 1543040	08-Sep-11	17-Oct-11	5.60	\$0	0.00	\$1,850	\$1,850	\$0	139.80							
14325027c	12 GEV BL13-00...		Procure SD for Calorimeter Ref. Hall D 1543055	31-May-11	31-Aug-11	13.20	\$0	0.00	\$2,500	\$2,500	\$0	146.20							
14325028	12 GEV BL13-00...		UMASS - Testing of F250 ADCs by University (SHOWER COUNTER) REFERENCE 15...	31-Oct-12	29-Mar-13	19.60	\$0	0.00	\$5,000	\$5,000	\$0	84.20							
<b>1.4.3.2.8 DETECTOR FRAME</b>				<b>01-Jun-10</b>	<b>28-Jan-13</b>	<b>131.60</b>	<b>\$84,553</b>	<b>42.00</b>	<b>\$257,169</b>	<b>\$385,217</b>	<b>\$43,495</b>	<b>80.20</b>							
14328005	12 GEV BL13-00...		Fab General Struct for Detector Frame FY12	02-Nov-11	28-Sep-12	45.00	\$36,439	18.37	\$0	\$70,704	\$34,266	91.60							
14328005a	12 GEV BL13-00...		Fab General Struct for Detector Frame FY13	01-Oct-12	26-Oct-12	4.00	\$3,343	1.63	\$0	\$6,486	\$3,143	91.60							
14328005b	12 GEV BL13-00...		Fab General Struct for Detector Frame Procurement Part A	02-Nov-11	26-Oct-12	49.00	\$0	0.00	\$177,820	\$177,820	\$0	91.60							

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14328005ba	12 GEV BL13-00...		Fab General Struct for Detector Frame Procurement Part B	02-Nov-11	26-Oct-12	49.00	\$0	0.00	\$8,000	\$8,000	\$0	91.60							
14328010	12 GEV BL13-00...		Fab Supprt for individual Detctr's FY12	02-Nov-11	28-Sep-12	45.00	\$33,087	16.39	\$0	\$37,585	\$4,498	80.20							
14328010a	12 GEV BL13-00...		Fab Supprt for individual Detctr's FY13	01-Oct-12	28-Jan-13	15.40	\$11,685	5.61	\$0	\$13,273	\$1,588	80.20							
14328010b	12 GEV BL13-00...		Fab Supprt for individual Detctr's Procurement Part A	02-Nov-11	28-Jan-13	60.40	\$0	0.00	\$17,400	\$17,400	\$0	80.20							
14328010ba	12 GEV BL13-00...		Fab Supprt for individual Detctr's Procurement Part B	02-Nov-11	28-Jan-13	60.40	\$0	0.00	\$25,949	\$25,949	\$0	80.20							
14328015	12 GEV BL13-00...		Procure Support Frame	01-Jun-10	30-Sep-10	17.20	\$0	0.00	\$28,000	\$28,000	\$0	190.60							
<b>1.4.3.3 COMPUTING</b>				01-Oct-13	25-Nov-13	8.00	\$0	0.00	\$42,781	\$42,781	\$0	35.00							
<b>1.4.3.3.1 DAQ</b>				01-Oct-13	25-Nov-13	8.00	\$0	0.00	\$42,781	\$42,781	\$0	35.00							
1433000	12 GEV BL13-00...	13-006	Buy 5 Fast PC's for Data Acq & Processing (COMP)	01-Oct-13	25-Nov-13	8.00	\$0	0.00	\$18,634	\$18,634	\$0	35.00							
1433005	12 GEV BL13-00...	13-006	Buy File Servers for Data Acq System (COMP)	01-Oct-13	25-Nov-13	8.00	\$0	0.00	\$12,073	\$12,073	\$0	35.00							
1433010	12 GEV BL13-00...	13-006	Buy 8 Workstations/Monitors (COMP)	01-Oct-13	25-Nov-13	8.00	\$0	0.00	\$12,073	\$12,073	\$0	35.00							
<b>1.4.3.4 ELECTRONICS</b>				12-Nov-10	02-Jan-14	154.60	\$63,013	25.85	\$322,446	\$397,923	\$12,465	31.00							
<b>1.4.3.4.1 FAST ELECTRONICS</b>				13-May-11	25-Sep-13	118.00	\$63,013	25.85	\$234,734	\$310,212	\$12,465	43.60							
14341000	12 GEV BL13-00...		DAQ Trigger Development	29-Oct-12	18-Sep-13	44.00	\$34,973	12.00	\$0	\$34,973	\$0	44.60							
14341005	12 GEV BL13-00...		Proc TDCs for Wire Chambers (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341007	12 GEV BL13-00...		SOS Signal Cable Prepare for Installation (FAST Electrn's)	13-May-11	08-Aug-11	12.00	\$17,108	10.00	\$0	\$27,427	\$10,319	13.60							
14341010	12 GEV BL13-00...		Proc Discriminators for Wire Chambers (FAST Electrn's)	05-Jan-12	10-Jul-12	26.00	\$0	0.00	\$0	\$0	\$0	104.00							
14341015	12 GEV BL13-00...		Proc ADCs for Hodoscopes (FAST Electrn's)	04-Jan-12	30-Nov-12	46.20	\$0	0.00	\$53,718	\$53,718	\$0	84.00							
14341020	12 GEV BL13-00...		Proc ADCs for Calorimeter (FAST Electrn's) FY12	05-Jan-12	28-Sep-12	37.40	\$0	0.00	\$0	\$1,625	\$1,625	81.00							
14341020a	12 GEV BL13-00...		Proc ADCs for Calorimeter (FAST Electrn's) FY13	01-Oct-12	21-Dec-12	11.60	\$0	0.00	\$0	\$520	\$520	81.00							
14341025	12 GEV BL13-00...		Proc TDCs for Hodoscopes (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341030	12 GEV BL13-00...		Proc Discriminators for Hodoscopes (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341035	12 GEV BL13-00...		Proc HV for All Detctr's (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341040	12 GEV BL13-00...		Proc CAMAC Controller & Crate (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341045	12 GEV BL13-00...		Proc NIM Crates (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341050	12 GEV BL13-00...		Proc NIM & CAMAC Logic (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341055	12 GEV BL13-00...		Proc scalers (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$0	\$0	\$0	81.00							
14341060	12 GEV BL13-00...		Proc Cables & Connectors (FAST Electrn's)	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$5,324	\$5,324	\$0	81.00							
14341065	12 GEV BL13-00...		Proc VME Crates (FAST Electrn's) REF. HallID 1544006	05-Jan-12	29-Jun-12	24.60	\$0	0.00	\$10,648	\$10,648	\$0	54.90							
14341067	12 GEV BL13-00...		Assemble and Test VME Crates (FAST Electrn's) REF. HallID 1544025	02-Jul-12	15-Aug-12	6.50	\$2,824	1.00	\$0	\$2,824	\$0	54.90							
14341070	12 GEV BL13-00...		Proc High-Power 21-slot VME64x/VXS crate for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$10,000	\$10,000	\$0	81.00							
14341075	12 GEV BL13-00...		Proc 2 single-board PC's for DCs, Hodoscopes, Cerenkovs for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$7,000	\$7,000	\$0	81.00							
14341080	12 GEV BL13-00...		Proc TS Module for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$4,128	\$4,128	\$0	43.60							
14341085	12 GEV BL13-00...		Proc CTP Module for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$5,160	\$5,160	\$0	43.60							
14341090	12 GEV BL13-00...		Proc SD Module for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$2,500	\$2,500	\$0	81.00							
14341095	12 GEV BL13-00...		Proc 2 TI Modules for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$6,450	\$6,450	\$0	81.00							
14341097	12 GEV BL13-00...		Proc TD Module for DF2	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$5,100	\$5,100	\$0	81.00							
14341100	12 GEV BL13-00...		Proc SSP Module for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$6,707	\$6,707	\$0	43.60							
14341105	12 GEV BL13-00...	13-006	Proc 11 TDC modules with CAEN 1190 specs for DC, Cerenkovs, Hodoscopes - for DF2	01-Oct-12	25-Sep-13	49.00	\$0	0.00	\$108,000	\$108,000	\$0	43.60							
14341110	12 GEV BL13-00...		Proc positive high-voltage modules	05-Jan-12	21-Dec-12	49.00	\$0	0.00	\$10,000	\$10,000	\$0	81.00							
14341115	12 GEV BL13-00...		Recondition 1 existing VME64x crate (w/o VXS) FY12	05-Jan-12	28-Sep-12	37.40	\$6,142	2.18	\$0	\$6,142	\$0	81.00							
14341115a	12 GEV BL13-00...		Recondition 1 existing VME64x crate (w/o VXS) FY13	01-Oct-12	21-Dec-12	11.60	\$1,966	0.67	\$0	\$1,966	\$0	81.00							
<b>1.4.3.4.2 POWER SUPPLIES &amp; PROBES (Power Supply Infrastructure)</b>				12-Nov-10	02-Jan-14	154.60	\$0	0.00	\$87,712	\$87,712	\$0	16.80							
14342005	12 GEV BL13-00...		Proc 4 Pwr Supplies for 480V (PWR SUP)	12-Nov-10	12-Nov-10	0.20	\$0	0.00	\$0	\$0	\$0	168.20							
14342010	12 GEV BL13-00...		Proc LCW Sys for Pwr Supplies (PWR SUP)	15-Nov-10	15-Nov-10	0.20	\$0	0.00	\$0	\$0	\$0	168.20							
14342020	12 GEV BL13-00...		Proc 5000A Rigid Water Cooled Bus (PWR SUP)	16-Nov-10	16-Nov-10	0.20	\$0	0.00	\$0	\$0	\$0	168.20							
14342030	12 GEV BL13-00...		Proc 5000A Flexible Lines (PWR SUP)	02-Dec-11	02-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80							
14342035	12 GEV BL13-00...		Fab Stand for Pwr Supplies (PWR SUP)	02-Dec-11	02-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80							
14342040	12 GEV BL13-00...		Fab Catwalk (PWR SUP)	05-Dec-11	05-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80							
14342045	12 GEV BL13-00...		Fab Cable Tray & Bus Supprt (PWR SUP)	06-Dec-11	06-Dec-11	0.20	\$0	0.00	\$0	\$0	\$0	116.80							
14342050	12 GEV BL13-00...		Proc 5000A Flexible Lines Revised by 2012 ETC	03-Jan-13	24-Jun-13	24.00	\$0	0.00	\$61,914	\$61,914	\$0	42.40							
14342055	12 GEV BL13-00...	13-006	Fab Cable Tray & Bus Supprt Revised by 2012 ETC	01-Oct-13	02-Jan-14	12.00	\$0	0.00	\$25,798	\$25,798	\$0	16.80							
<b>1.4.3.5 BEAMLIN</b>				05-Jan-11	02-Jan-15	198.20	\$268,927	123.00	\$302,747	\$638,031	\$66,357	85.00							
<b>1.4.3.5.1 MOELLER POLARIMETER</b>				14-May-12	26-Jun-13	55.80	\$7,954	4.00	\$7,848	\$15,801	\$0	87.20							
14351005	12 GEV BL13-00...	13-006F	Proc Pwr Supply for Additional quad for Moeller polarimeter	14-May-12	14-Nov-12	26.00	\$0	0.00	\$0	\$0	\$0	97.80							

— Primary Baseline   
 — Remaining Work   
 — Critical Remaining Work   
 ◆ Baseline Milestone   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14351010	12 GEV BL13-00...	13-006F	Proc Cables/Stand for Additional quad for Moeller polarimeter	01-May-13	26-Jun-13	8.00	\$0	0.00	\$7,848	\$7,848	\$0	67.80							
14351020	12 GEV BL13-00...	13-006	Modify Moeller Collimator- Manufacturing Drawings	01-May-13	29-May-13	4.00	\$7,954	4.00	\$0	\$7,954	\$0	91.20							
<b>1.4.3.5.2 COMPTON POLARIMETER</b>				<b>20-Jan-12</b>	<b>03-Oct-12</b>	<b>36.00</b>	<b>\$15,429</b>	<b>8.00</b>	<b>\$0</b>	<b>\$15,429</b>	<b>\$0</b>	<b>112.60</b>							
14352000	12 GEV BL13-00...		Produce Compton Elevation Layout FY12	14-May-12	28-Sep-12	19.40	\$14,952	7.76	\$0	\$14,952	\$0	100.60							
14352000a	12 GEV BL13-00...		Produce Compton Elevation Layout FY13	01-Oct-12	03-Oct-12	0.60	\$477	0.24	\$0	\$477	\$0	100.60							
14352005	12 GEV BL13-00...		Procure QR Magnets for Compton	20-Jan-12	15-May-12	16.40	\$0	0.00	\$0	\$0	\$0	132.20							
<b>1.4.3.5.3 MAPPING</b>				<b>03-Jan-13</b>	<b>18-Sep-13</b>	<b>36.00</b>	<b>\$89,753</b>	<b>38.00</b>	<b>\$52,423</b>	<b>\$174,195</b>	<b>\$32,018</b>	<b>75.20</b>							
14353005	12 GEV BL13-00...	13-006	DUMMY	03-Jan-13	03-Jan-13	0.20	\$0	0.00	\$0	\$0	\$0	37.40							
14353010	12 GEV BL13-00...	13-006	Fabricate and Use New ARC Mapper	25-Jun-13	18-Sep-13	12.00	\$44,574	19.00	\$7,691	\$52,265	\$0	75.20							
14353015	12 GEV BL13-00...	13-006	Refurb Existing Harmonic Coil for SHMS Mags	01-Apr-13	20-Aug-13	20.00	\$45,180	19.00	\$44,732	\$121,930	\$32,018	70.20							
<b>1.4.3.5.4 SCATTERING CHAMBER</b>				<b>05-Jan-11</b>	<b>24-Jan-14</b>	<b>151.60</b>	<b>\$58,815</b>	<b>29.00</b>	<b>\$114,523</b>	<b>\$205,191</b>	<b>\$31,852</b>	<b>131.60</b>							
14354005	12 GEV BL13-00...	13-006F	Modify Existing Chamb Cylinder (SCATTER CHAMB)	05-Jan-11	07-Apr-11	13.00	\$6,164	3.00	\$33,632	\$43,311	\$3,515	150.20							
14354008	12 GEV BL13-00...	13-006	Proc & Fab Chamb Flanges (SCATTER CHAMB)	15-Apr-13	06-Aug-13	16.00	\$0	0.00	\$0	\$10,000	\$10,000	154.20							
14354010	12 GEV BL13-00...	13-006F	Proc & Install Chamb Flanges (SCATTER CHAMB)	08-Apr-11	01-Aug-11	16.00	\$4,441	2.00	\$0	\$4,441	\$0	150.20							
14354015	12 GEV BL13-00...	13-006F	Proc & Install HMS & SHMS Window Frames (SCATTER CHAMB) FY11	02-Aug-11	30-Sep-11	8.60	\$7,172	3.76	\$0	\$7,172	\$0	150.20							
14354015a	12 GEV BL13-00...	13-006F	Proc & Install HMS & SHMS Window Frames (SCATTER CHAMB) FY12	03-Oct-11	22-Nov-11	7.40	\$6,368	3.24	\$0	\$6,368	\$0	150.20							
14354020	12 GEV BL13-00...	13-006F	Proc & Install HMS & SHMS Blank Covers (SCATTER CHAMB)	23-Nov-11	29-Dec-11	4.00	\$7,707	4.00	\$0	\$7,707	\$0	150.20							
14354025	12 GEV BL13-00...	13-006F	Proc Turbo Pump Sys (SCATTER CHAMB)	01-Feb-13	06-Aug-13	26.00	\$0	0.00	\$44,671	\$44,671	\$0	74.40							
14354030	12 GEV BL13-00...	13-006F	Proc & Install Gate Valves, BL adaptors & Vac Gauges (SCATTER CHAMB) Original Labor	30-Dec-11	31-Jan-12	4.20	\$7,380	3.64	\$0	\$16,746	\$9,366	150.20							
14354030a	12 GEV BL13-00...	13-006	Proc & Install Gate Valves, BL adaptors & Vac Gauges (SCATTER CHAMB) Revised La...	01-Oct-13	24-Jan-14	15.00	\$19,583	9.36	\$0	\$28,554	\$8,971	51.80							
14354030b	12 GEV BL13-00...	13-006F	Proc & Install Gate Valves, BL adaptors & Vac Gauges (SCATTER CHAMB) Revised Pr...	01-Oct-13	24-Jan-14	15.00	\$0	0.00	\$36,220	\$36,220	\$0	51.80							
<b>1.4.3.5.5 BEAM PIPE &amp; STANDS</b>				<b>28-Aug-13</b>	<b>02-Jan-15</b>	<b>66.20</b>	<b>\$96,976</b>	<b>44.00</b>	<b>\$127,953</b>	<b>\$227,415</b>	<b>\$2,487</b>	<b>4.20</b>							
14355005	12 GEV BL13-00...	13-006	Proc 1st Pipe (Beam Pipe)	23-Jan-14	28-Jul-14	26.00	\$17,411	8.00	\$13,715	\$31,126	\$0	4.20							
14355010	12 GEV BL13-00...	13-006F	Proc 2nd Section of Beam Pipe (Beam Pipe)	28-Aug-13	12-Mar-14	26.00	\$21,388	10.00	\$21,177	\$42,565	\$0	5.40							
14355015	12 GEV BL13-00...	13-006F	Proc 3rd Section of Beam Pipe (Beam Pipe)	28-Aug-13	12-Mar-14	26.00	\$23,376	11.00	\$26,151	\$52,014	\$2,487	5.40							
14355020	12 GEV BL13-00...	13-006	Proc Windows & Window Spool (Beam Pipe)	21-Mar-14	23-Sep-14	26.00	\$34,800	15.00	\$34,892	\$69,692	\$0	16.20							
14355025	12 GEV BL13-00...	13-006	Proc Beam Stands (Beam Pipe)	21-Mar-14	23-Sep-14	26.00	\$0	0.00	\$17,446	\$17,446	\$0	4.20							
14355030	12 GEV BL13-00...	13-006	Proc Vac Fittings (Beam Pipe)	24-Sep-14	02-Jan-15	13.00	\$0	0.00	\$14,572	\$14,572	\$0	4.20							
<b>1.4.3.6 INFRASTRUCTURE</b>				<b>05-Jan-09</b>	<b>02-Mar-15</b>	<b>305.20</b>	<b>\$2,680,079</b>	<b>1268.50</b>	<b>\$5,146,796</b>	<b>\$8,579,835</b>	<b>\$752,961</b>	<b>79.20</b>							
<b>1.4.3.6.2 SUPPORT STRUCTURE</b>				<b>02-Nov-09</b>	<b>01-Oct-12</b>	<b>144.40</b>	<b>\$605,232</b>	<b>264.48</b>	<b>\$1,705,859</b>	<b>\$2,329,202</b>	<b>\$18,112</b>	<b>198.00</b>							
14362000M	12 GEV BL13-00...		Award Contract to Dsgn the Supprt Struct	02-Nov-09		0.00	\$0	0.00	\$0	\$0	\$0	71.20							
14362005	12 GEV BL13-00...		Finalize Dsgn of Supprt Struct	02-Nov-09	30-Sep-10	45.20	\$20,496	9.23	\$50,697	\$71,193	\$0	71.20							
14362006	12 GEV BL13-00...		SS/SH Engineering Support FY10	01-Sep-10	30-Sep-10	4.20	\$51,657	23.25	\$909	\$52,566	\$0	71.20							
14362007	12 GEV BL13-00...		SS/SH Engineering Support FY11	01-Oct-10	30-Sep-11	49.60	\$0	0.00	\$139,307	\$139,307	\$0	71.20							
14362010M	12 GEV BL13-00...	13-006F	Review Final Dsgn of Supprt Struct		27-Oct-10	0.00	\$0	0.00	\$0	\$0	\$0	73.20							
14362011	12 GEV BL13-00...		SS/SH Engineering Support FY12	03-Oct-11	28-Sep-12	49.40	\$0	0.00	\$127,778	\$127,778	\$0	71.20							
14362011a	12 GEV BL13-00...	13-006	DUMMY	01-Oct-12	01-Oct-12	0.20	\$0	0.00	\$0	\$0	\$0	49.40							
14362012	12 GEV BL13-00...	13-006F	Produce Drawings - Rails & Base of Supprt Struct	02-Dec-10	05-Jan-11	3.80	\$25,810	12.00	\$0	\$25,810	\$0	73.20							
14362013	12 GEV BL13-00...	13-006F	Procurement Prep - Rails & Base of Supprt Struct	10-Feb-11	08-Mar-11	3.60	\$5,436	2.00	\$0	\$5,436	\$0	81.40							
14362015	12 GEV BL13-00...	13-006F	PreFab Rails & Base of Supprt Struct	07-Dec-11	04-May-12	20.00	\$7,536	3.00	\$82,552	\$90,088	\$0	43.40							
14362016	12 GEV BL13-00...	13-006F	Produce Drawings - Pivot Sections of Supprt Struct	06-Jan-11	03-Feb-11	4.00	\$25,810	12.00	\$0	\$25,810	\$0	73.20							
14362017	12 GEV BL13-00...	13-006F	Procurement Prep - Pivot Sections of Supprt Struct	09-Mar-11	05-Apr-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	86.80							
14362020	12 GEV BL13-00...	13-006F	PreFab Pivot Sections of Supprt Struct	07-Dec-11	19-Jun-12	26.00	\$5,610	2.00	\$61,914	\$73,561	\$6,037	54.60							
14362021	12 GEV BL13-00...	13-006F	Produce Drawings - Mag Section of Supprt Struct	11-Jul-11	10-Aug-11	4.60	\$30,395	14.00	\$0	\$30,395	\$0	73.20							
14362022	12 GEV BL13-00...	13-006F	Procurement Prep - Mag Section of Supprt Struct	11-Aug-11	06-Sep-11	3.60	\$5,436	2.00	\$0	\$5,436	\$0	73.20							
14362025	12 GEV BL13-00...	13-006F	PreFab Mag Section #20 of Supprt Struct	07-Dec-11	04-May-12	20.00	\$32,243	14.00	\$157,461	\$195,741	\$6,037	60.60							
14362026	12 GEV BL13-00...	13-006F	Produce Drawings - Detector Section of Supprt Struct	06-Apr-11	02-May-11	3.80	\$25,810	12.00	\$0	\$25,810	\$0	73.20							
14362027	12 GEV BL13-00...	13-006F	Procurement Prep - Detector Section of Supprt Struct	03-May-11	27-May-11	3.80	\$5,436	2.00	\$0	\$5,436	\$0	75.60							
14362030	12 GEV BL13-00...	13-006F	PreFab Detector Section #30 of Supprt Struct	05-Jan-12	25-May-12	20.00	\$7,536	3.00	\$165,160	\$172,696	\$0	57.60							
14362031	12 GEV BL13-00...	13-006F	Produce Drawings - Wheel Section of Supprt Struct	06-Jun-11	08-Jul-11	4.80	\$32,262	15.00	\$0	\$32,262	\$0	73.20							
14362032	12 GEV BL13-00...	13-006F	Procurement Prep - Wheel Section of Supprt Struct	11-Jul-11	04-Aug-11	3.80	\$5,436	2.00	\$0	\$5,436	\$0	74.00							
14362035	12 GEV BL13-00...	13-006F	PreFab Wheel Section of Supprt Struct	05-Jan-12	25-May-12	20.00	\$7,536	3.00	\$152,712	\$166,286	\$6,037	57.60							
14362035a	12 GEV BL13-00...	13-006F	PreFab #100 section of Support Structure and Inner Race	04-Jan-12	25-Jun-12	24.00	\$0	0.00	\$63,000	\$63,000	\$0	53.80							
14362036	12 GEV BL13-00...	13-006F	Produce Drawings - Mag Mounts of Supprt Struct	08-Mar-11	05-Apr-11	4.20	\$25,810	12.00	\$0	\$25,810	\$0	73.20							
14362037	12 GEV BL13-00...	13-006F	Procurement Prep - Mag Mounts of Supprt Struct	04-May-11	31-May-11	3.80	\$5,436	2.00	\$0	\$5,436	\$0	86.80							

— Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7
14362040	12 GEV BL13-00...	13-006F	PreFab Mag Mounts of Supprt Struct	03-Feb-12	26-Jun-12	20.00	\$2,805	1.00	\$0	\$2,805	\$0	53.60						
14362041	12 GEV BL13-00...	13-006F	Produce Drawings - Access Platforms of Supprt Struct	04-Feb-11	07-Mar-11	4.20	\$25,810	12.00	\$0	\$25,810	\$0	73.20						
14362042	12 GEV BL13-00...	13-006F	Procurement Prep - Access Platforms of Supprt Struct	06-Apr-11	03-May-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	86.80						
14362045	12 GEV BL13-00...	13-006F	PreFab Access Platforms of Supprt Struct	02-Apr-12	21-Aug-12	20.00	\$4,732	2.00	\$82,552	\$87,284	\$0	45.60						
14362046	12 GEV BL13-00...	13-006F	Produce Drawings - Bogies	02-Dec-10	11-Jan-11	4.60	\$32,262	15.00	\$0	\$32,262	\$0	81.40						
14362046a	12 GEV BL13-00...	13-006F	Produce Drawings - Wheels	28-Oct-10	01-Dec-10	4.60	\$32,262	15.00	\$0	\$32,262	\$0	73.20						
14362047	12 GEV BL13-00...	13-006F	Procurement Prep - Bogies	12-Jan-11	09-Feb-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	81.40						
14362047a	12 GEV BL13-00...	13-006F	Procurement Prep - Wheels	02-Dec-10	06-Jan-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	96.80						
14362050	12 GEV BL13-00...	13-006F	PreFab Double Bogies of Supprt Struct	03-Oct-11	11-May-12	30.00	\$15,073	6.00	\$312,504	\$327,577	\$0	59.60						
14362050a	12 GEV BL13-00...	13-006F	PreFab Wheels of Supprt Struct	03-Oct-11	11-May-12	30.00	\$9,463	4.00	\$163,496	\$172,959	\$0	59.60						
14362051	12 GEV BL13-00...	13-006F	Produce Drawings - Other Compnts of Supprt Struct	03-May-11	03-Jun-11	4.60	\$32,262	15.00	\$0	\$32,262	\$0	73.20						
14362052	12 GEV BL13-00...	13-006F	Procurement Prep - Other Compnts of Supprt Struct	06-Jun-11	01-Jul-11	4.00	\$5,436	2.00	\$0	\$5,436	\$0	74.80						
14362055	12 GEV BL13-00...	13-006F	PreFab Other Compnts of Supprt Struct	12-Jan-12	05-Jun-12	20.00	\$9,463	4.00	\$61,914	\$71,377	\$0	56.60						
14362060	12 GEV BL13-00...		Proc Drive Motors & Reducers of Supprt Struct	12-Jan-12	06-Apr-12	12.00	\$11,219	4.00	\$0	\$11,219	\$0	70.60						
14362065	12 GEV BL13-00...		Electrical System Final Drawings	05-Jan-12	26-Jun-12	24.00	\$26,704	12.00	\$0	\$26,704	\$0	84.80						
14362070	12 GEV BL13-00...		Fire Safety and HVAC Final Drawings	05-Jan-12	26-Jun-12	24.00	\$13,326	6.00	\$0	\$13,326	\$0	87.80						
14362075	12 GEV BL13-00...	13-006F	Fab Main Bearing of Supprt Struct Labor FY11	01-Oct-10	30-Sep-11	49.60	\$9,097	3.97	\$0	\$9,097	\$0	88.20						
14362075a	12 GEV BL13-00...	13-006F	Fab Main Bearing of Supprt Struct Labor FY12	03-Oct-11	04-Oct-11	0.40	\$76	0.03	\$0	\$76	\$0	88.20						
14362075b	12 GEV BL13-00...	13-006F	Fab Main Bearing of Supprt Struct Procurement	01-Oct-10	04-Oct-11	50.00	\$0	0.00	\$83,904	\$83,904	\$0	88.20						
14362811LOE	12 GEV BL13-00...		Overlook Various Subcontracts of Supprt Struct	01-Oct-10	30-Sep-11	49.60	\$13,686	5.00	\$0	\$13,686	\$0	198.20						
14362812LOE	12 GEV BL13-00...		Overlook Various Subcontracts of Supprt Struct	03-Oct-11	28-Sep-12	49.40	\$14,122	5.00	\$0	\$14,122	\$0	198.20						
<b>1.4.3.6.3 SHIELD HOUSE</b>				<b>02-Nov-09</b>	<b>02-Jan-14</b>	<b>205.80</b>	<b>\$196,172</b>	<b>90.08</b>	<b>\$798,194</b>	<b>\$1,031,612</b>	<b>\$37,246</b>	<b>61.40</b>						
14363005M	12 GEV BL13-00...	13-006F	Award Contract for Final Dsgn of Shield House (SHIELD HOUSE)	02-Nov-09		0.00	\$0	0.00	\$0	\$0	\$0	100.00						
14363010	12 GEV BL13-00...	13-006F	Finalize Dsgn of Shield House (SHIELD HOUSE)	26-Apr-10	30-Sep-10	22.20	\$37,942	17.08	\$13,394	\$56,177	\$4,841	77.00						
14363021	12 GEV BL13-00...		Produce Drawings - Steel (SHIELD HOUSE) FY11	11-Aug-11	30-Sep-11	7.20	\$48,705	22.65	\$0	\$48,705	\$0	93.60						
14363021a	12 GEV BL13-00...		Produce Drawings - Steel (SHIELD HOUSE) FY12	03-Oct-11	07-Nov-11	5.20	\$36,299	16.35	\$0	\$36,299	\$0	93.60						
14363021b	12 GEV BL13-00...	13-006	Produce Drawings FY13	02-Jan-13	31-Jul-13	29.40	\$31,814	16.00	\$0	\$31,814	\$0	32.20						
14363022	12 GEV BL13-00...		Procurement Prep - Steel (SHIELD HOUSE)	08-Nov-11	07-Dec-11	4.00	\$5,610	2.00	\$0	\$5,610	\$0	93.60						
14363025	12 GEV BL13-00...		Fab Steel Supprt (SHIELD HOUSE)	08-Dec-11	07-May-12	20.00	\$26,037	12.00	\$0	\$26,037	\$0	93.60						
14363030	12 GEV BL13-00...		Proc Boron and Lead Shielding (SHIELD HOUSE) Part A	03-Jan-13	29-Mar-13	12.00	\$0	0.00	\$531,429	\$531,429	\$0	50.00						
14363030a	12 GEV BL13-00...		Proc Boron and Lead Shielding (SHIELD HOUSE) Part B	03-Jan-13	29-Mar-13	12.00	\$0	0.00	\$61,914	\$61,914	\$0	50.00						
14363035	12 GEV BL13-00...	13-006	Fab Doors and associated hardware for Shield House (SHIELD HOUSE)	06-Nov-13	30-Dec-13	6.40	\$3,977	2.00	\$96,898	\$100,875	\$0	17.40						
14363036	12 GEV BL13-00...	13-006	Fab Roof Beams and Wall Blocks (SHIELD HOUSE)	06-Nov-13	02-Jan-14	6.80	\$0	0.00	\$87,315	\$87,315	\$0	61.40						
14363060	12 GEV BL13-00...		Fab Various Small Components (SHIELD HOUSE)	01-Apr-13	01-Jul-13	13.00	\$5,789	2.00	\$7,244	\$45,438	\$32,405	58.60						
<b>1.4.3.6.4 CRYOGENIC SYSTEM</b>				<b>01-Oct-10</b>	<b>11-Nov-13</b>	<b>154.60</b>	<b>\$277,239</b>	<b>135.60</b>	<b>\$578,902</b>	<b>\$912,906</b>	<b>\$56,765</b>	<b>18.80</b>						
14364005	12 GEV BL13-00...		Update Overall Cryo Flow Sheet (CRYO SYS)	01-Oct-10	29-Nov-10	8.00	\$12,905	6.00	\$0	\$12,905	\$0	103.40						
14364010	12 GEV BL13-00...		Proc Equipmnt for Mod of G0 Transfer Line (CRYO SYS)	03-Oct-11	29-Nov-11	8.00	\$0	0.00	\$36,223	\$36,223	\$0	61.80						
14364015	12 GEV BL13-00...	13-006F	Detail Mods of G0 Transfer Line	30-Nov-11	30-Dec-11	3.60	\$6,128	3.00	\$0	\$6,128	\$0	90.80						
14364016	12 GEV BL13-00...	13-006	Modify G0 Transfer Line	12-Jun-13	11-Nov-13	21.40	\$142,478	75.60	\$0	\$142,478	\$0	18.80						
14364020	12 GEV BL13-00...		Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) FY12	05-Mar-12	28-Sep-12	29.40	\$0	0.00	\$0	\$5,427	\$5,427	61.80						
14364020a	12 GEV BL13-00...		Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) FY13	01-Oct-12	14-Nov-12	6.60	\$0	0.00	\$0	\$1,257	\$1,257	61.80						
14364020b	12 GEV BL13-00...		Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) Procurement	05-Mar-12	14-Nov-12	36.00	\$0	0.00	\$330,000	\$330,000	\$0	61.80						
14364025	12 GEV BL13-00...		Fab SHMS Distrbtn Transfer Line (CRYO SYS)	30-Nov-11	02-Mar-12	12.00	\$25,440	12.00	\$0	\$50,794	\$25,354	61.80						
14364030	12 GEV BL13-00...		Fab SHMS Gas Manifolds (CRYO SYS)	05-Mar-12	25-May-12	12.00	\$16,574	8.00	\$30,186	\$52,797	\$6,037	61.80						
14364035	12 GEV BL13-00...		Fab Jlab U-tubes (CRYO SYS)	29-May-12	19-Sep-12	16.00	\$8,585	4.00	\$43,466	\$52,051	\$0	75.80						
14364040	12 GEV BL13-00...		Fab Jlab L tubes (CRYO SYS)	29-May-12	19-Sep-12	16.00	\$10,512	5.00	\$24,149	\$34,661	\$0	75.80						
14364043	12 GEV BL13-00...	13-006	Produce Drawings for Cryo System Connections & Controls	02-Jan-13	28-Mar-13	12.00	\$39,062	16.00	\$0	\$39,062	\$0	38.20						
14364045	12 GEV BL13-00...	13-006	Proc Valves & Controllers (CRYO SYS)	29-Mar-13	23-May-13	8.00	\$2,894	1.00	\$29,906	\$32,800	\$0	42.60						
14364050	12 GEV BL13-00...	13-006	Proc Boom Supprt (CRYO SYS)	29-Mar-13	21-Jun-13	12.00	\$0	0.00	\$20,682	\$20,682	\$0	38.20						
14364055	12 GEV BL13-00...	13-006	Proc Vac Gauges (CRYO SYS)	29-Mar-13	23-May-13	8.00	\$0	0.00	\$14,947	\$14,947	\$0	42.60						
14364060	12 GEV BL13-00...		Fab Stand & Catwalk (CRYO SYS)	29-May-12	07-Jan-13	30.00	\$0	0.00	\$0	\$0	\$0	61.80						
14364065	12 GEV BL13-00...		Proc Cables,panels & Pwr Supplies (CRYO SYS)	03-May-13	28-Jun-13	8.00	\$9,766	4.00	\$12,460	\$22,225	\$0	37.60						
14364075	12 GEV BL13-00...	13-006	Proc & Fab Various Connections etc (CRYO SYS)	29-Mar-13	07-Jun-13	10.00	\$2,894	1.00	\$36,884	\$58,468	\$18,689	40.60						
<b>1.4.3.6.5 VACUUM SYSTEM</b>				<b>05-Jan-09</b>	<b>31-Dec-14</b>	<b>297.20</b>	<b>\$64,194</b>	<b>30.50</b>	<b>\$458,615</b>	<b>\$522,809</b>	<b>\$0</b>	<b>5.40</b>						
14365005	12 GEV BL13-00...	13-006F	Finalize Drawing for Comp Vac Sys	05-Jan-09	31-Mar-09	12.00	\$9,567	5.00	\$0	\$9,567	\$0	44.40						

— Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14365010	12 GEV BL13-00...	13-006F	Proc Turbo Pump systems	03-Jan-13	01-Mar-13	8.00	\$4,729	2.00	\$93,447	\$98,176	\$0	44.40							
14365015	12 GEV BL13-00...	13-006F	Proc Roots Pump Sys	03-Jan-13	01-Mar-13	8.00	\$1,447	0.50	\$43,609	\$45,056	\$0	44.40							
14365020	12 GEV BL13-00...	13-006	Proc Valves & Plumbing	04-Mar-13	24-May-13	12.00	\$2,894	1.00	\$37,379	\$40,273	\$0	44.40							
14365023	12 GEV BL13-00...	13-006	Manufacturing Drawings for Vacuum System Parts	02-Jan-13	21-Jun-13	24.00	\$39,768	20.00	\$0	\$39,768	\$0	28.80							
14365025	12 GEV BL13-00...	13-006	Proc Gauges for Vac Sys	04-Mar-13	24-May-13	12.00	\$0	0.00	\$24,919	\$24,919	\$0	44.40							
14365030	12 GEV BL13-00...	13-006	Proc Spool & Bellows for All Magnets	10-Dec-13	12-Jun-14	24.80	\$0	0.00	\$92,578	\$92,578	\$0	5.40							
14365035	12 GEV BL13-00...	13-006F	Proc Windows & Flanges	03-Jan-13	09-Jul-13	26.00	\$0	0.00	\$37,379	\$37,379	\$0	51.40							
14365040	12 GEV BL13-00...	13-006F	Proc Shutter Exit Window	03-Jan-13	09-Jul-13	26.00	\$0	0.00	\$24,919	\$24,919	\$0	51.40							
14365045	12 GEV BL13-00...	13-006	Proc Sieve Slit Sys	20-Mar-14	31-Dec-14	39.00	\$0	0.00	\$92,298	\$92,298	\$0	5.40							
14365050	12 GEV BL13-00...	13-006	Fab Slit Controls	20-Mar-14	31-Dec-14	39.00	\$5,789	2.00	\$12,087	\$17,875	\$0	5.40							
<b>1.4.3.6.6 CABLING</b>				<b>05-Jan-12</b>	<b>31-Dec-13</b>	<b>98.80</b>	<b>\$17,485</b>	<b>9.00</b>	<b>\$60,366</b>	<b>\$77,852</b>	<b>\$0</b>	<b>22.20</b>							
14366005	12 GEV BL13-00...		Proc HV Cables (CABLING) Original	05-Jan-12	31-Jan-12	3.60	\$195	0.07	\$0	\$195	\$0	117.40							
14366007	12 GEV BL13-00...		Proc HV Cables (CABLING) Revised per CR12-022	01-Oct-12	12-Apr-13	26.00	\$1,456	0.50	\$42,257	\$43,713	\$0	57.60							
14366010	12 GEV BL13-00...		Proc LV & Signal Cables (CABLING) Original	05-Jan-12	31-Jan-12	3.60	\$195	0.07	\$0	\$195	\$0	117.40							
14366015	12 GEV BL13-00...	13-006F	Proc LV & Signal Cables (CABLING) Revised per CR12-022	01-Oct-12	12-Apr-13	26.00	\$1,456	0.50	\$18,110	\$19,566	\$0	22.20							
14366020	12 GEV BL13-00...		Reverse Entry Per CR12-022	03-Feb-12	07-Aug-12	26.00	(\$391)	-0.14	\$0	(\$391)	\$0	91.00							
14366025	12 GEV BL13-00...	13-006	Terminate Cables	02-Jul-13	31-Dec-13	24.40	\$14,573	8.00	\$0	\$14,573	\$0	22.20							
<b>1.4.3.6.7 SOS PIVOT MODIFICATION</b>				<b>02-Nov-11</b>	<b>15-May-12</b>	<b>26.00</b>	<b>\$4,732</b>	<b>2.00</b>	<b>\$0</b>	<b>\$4,732</b>	<b>\$0</b>	<b>58.20</b>							
14367005	12 GEV BL13-00...	13-006F	Proc Parts for SHMS Pivot Connection (SOS PIVOT MOD)	02-Nov-11	15-May-12	26.00	\$4,732	2.00	\$0	\$4,732	\$0	58.20							
<b>1.4.3.6.8 INSTALLATION</b>				<b>13-May-11</b>	<b>02-Mar-15</b>	<b>188.00</b>	<b>\$1,515,025</b>	<b>736.85</b>	<b>\$1,544,860</b>	<b>\$3,700,723</b>	<b>\$640,838</b>	<b>79.20</b>							
14368005	12 GEV BL13-00...		Prep for safety Review for Installtn Plans	02-Nov-11	08-Dec-11	5.00	\$37,923	16.00	\$0	\$37,923	\$0	31.40							
14368010M	12 GEV BL13-00...		Comp safety Review for Installtn Plans		08-Dec-11	0.00	\$0	0.00	\$0	\$0	\$0	31.40							
14368015	12 GEV BL13-00...	13-006	Install Pivot for SHMS	26-Mar-13	01-Apr-13	1.00	\$8,552	4.00	\$10,000	\$18,552	\$0	16.00							
14368020	12 GEV BL13-00...	13-006	Move Pre-Fab Compnts into Hall with road crane	02-Apr-13	04-Apr-13	0.60	\$5,657	3.00	\$36,000	\$41,657	\$0	16.00							
14368027	12 GEV BL13-00...	13-006	Install Wheels and Bogies	08-Aug-13	21-Aug-13	2.00	\$23,648	11.40	\$60,000	\$83,648	\$0	16.00							
14368028	12 GEV BL13-00...	13-006	Construct REAR Access Platform & Shield Wall	08-Aug-13	19-Sep-13	6.00	\$22,914	11.00	\$49,445	\$72,360	\$0	43.40							
14368035M	12 GEV BL13-00...		Receive First Mag from vendor	20-Nov-13		0.00	\$0	0.00	\$0	\$0	\$0	17.60							
14368055	12 GEV BL13-00...	13-006	Mount HB on Supprt Carriage	04-Aug-14	08-Aug-14	1.00	\$1,834	1.00	\$0	\$1,834	\$0	19.20							
14368060	12 GEV BL13-00...	13-006	Mount Q1 on Supprt Carriage	13-Jun-14	19-Jun-14	1.00	\$3,669	2.00	\$0	\$3,669	\$0	19.20							
14368065	12 GEV BL13-00...		Mount Q2 on Supprt Carriage	08-Sep-14	12-Sep-14	1.00	\$14,675	8.00	\$0	\$69,729	\$55,054	5.40							
14368070	12 GEV BL13-00...		Mount Q3 on Supprt Carriage	27-Oct-14	31-Oct-14	1.00	\$14,675	8.00	\$0	\$69,729	\$55,054	5.40							
14368075	12 GEV BL13-00...		Final Assemble & Mount Dipole on Supprt Carriage	20-Nov-13	19-Dec-13	4.00	\$36,222	19.00	\$56,068	\$92,290	\$0	17.60							
14368077	12 GEV BL13-00...	13-006	Cool Down First Magnet	19-Mar-14	22-Apr-14	5.00	\$12,451	6.00	\$0	\$12,451	\$0	10.60							
14368080	12 GEV BL13-00...	13-006	Dipole Acceptance Test	23-Apr-14	12-Jun-14	7.20	\$9,458	4.00	\$0	\$9,458	\$0	10.60							
14368080a	12 GEV BL13-00...	13-006	Install Boron & Lead Shielding	13-Jan-14	13-Feb-14	4.60	\$27,670	15.00	\$0	\$55,825	\$28,155	11.20							
14368085M	12 GEV BL13-00...	13-006	Shield House Concrete Work Complete		10-Jan-14	0.00	\$0	0.00	\$0	\$0	\$0	10.60							
14368087	12 GEV BL13-00...	13-006	Install Doors in Shield House	14-Feb-14	21-Feb-14	1.00	\$0	0.00	\$0	\$0	\$0	27.20							
14368090	12 GEV BL13-00...	13-006	Install Detctr's in Shield House	20-Jun-14	17-Nov-14	21.00	\$25,554	14.00	\$0	\$62,933	\$37,379	10.60							
14368090a	12 GEV BL13-00...	13-006	Install Roof Beams and Wall Blocks in Shield House	18-Nov-14	18-Nov-14	0.20	\$734	0.40	\$0	\$734	\$0	17.00							
14368093	12 GEV BL13-00...	13-006	Install Drift Gas Manifold	24-Mar-14	02-May-14	6.00	\$7,646	4.00	\$0	\$7,646	\$0	37.20							
14368095	12 GEV BL13-00...	13-006	Pre-Alignment SHMS Cryo Supports	06-Nov-13	08-Nov-13	0.60	\$1,101	0.60	\$0	\$1,101	\$0	19.00							
14368100	12 GEV BL13-00...	13-006	Construct & Connect Cryogenic Lines	20-Nov-13	27-Jan-14	8.00	\$59,009	32.00	\$0	\$110,393	\$51,384	17.60							
14368105	12 GEV BL13-00...	13-006	Install Mag Pwr Supplies & Utilities on Platform	04-Feb-14	18-Mar-14	6.00	\$14,624	8.00	\$8,717	\$23,341	\$0	10.60							
14368110	12 GEV BL13-00...	13-006	Connect Mag Pwr Supplies & instrument Controls	19-Feb-14	18-Mar-14	4.00	\$80,150	44.00	\$5,481	\$85,632	\$0	10.60							
14368115	12 GEV BL13-00...		Prep for Vac & pressure systems Safety Review	25-Jun-13	09-Jul-13	2.00	\$5,789	2.00	\$0	\$5,789	\$0	38.40							
14368120M	12 GEV BL13-00...		Comp safety Review of vacuum & pressure Vessel systems Implementn		09-Jul-13	0.00	\$0	0.00	\$0	\$0	\$0	38.40							
14368125	12 GEV BL13-00...		Install & Connect Magnet Insulating Vac system	20-Nov-13	10-Jan-14	6.00	\$27,516	15.00	\$0	\$54,861	\$27,345	19.60							
14368127	12 GEV BL13-00...	13-006	Install & Connect Spectrometer Vac system	12-Jan-15	23-Feb-15	6.00	\$27,516	15.00	\$0	\$54,861	\$27,345	4.20							
14368130	12 GEV BL13-00...	13-006	Prep for Review of Hot Check-out & Mag Control systems	19-Mar-14	29-Apr-14	6.00	\$14,526	5.00	\$0	\$14,526	\$0	34.40							
14368135M	12 GEV BL13-00...	13-006	Comp safety Review of Hot Chkout procedures & Mag control systems		29-Apr-14	0.00	\$0	0.00	\$0	\$0	\$0	34.40							
14368140	12 GEV BL13-00...	13-006	Perform Hot Check-out of Mag Pwr Supplies	30-Apr-14	20-May-14	3.00	\$34,970	18.00	\$0	\$34,970	\$0	34.40							
14368145M	12 GEV BL13-00...	13-006	First New SC Mag Cooled Down in place	23-Apr-14		0.00	\$0	0.00	\$0	\$0	\$0	38.40							
14368155	12 GEV BL13-00...	13-006F	Perform Hot Check-out of Cold Magnets in place	17-Dec-14	19-Feb-15	8.00	\$18,969	8.00	\$0	\$18,969	\$0	5.40							
14368160	12 GEV BL13-00...	13-006	Hot Check-out of Detctr's in Shield House	11-Nov-14	15-Jan-15	8.00	\$10,930	6.00	\$0	\$10,930	\$0	10.60							
14368170	12 GEV BL13-00...		Remove Remaining HKS/HES Components	13-May-11	25-Jul-11	10.00	\$0	0.00	\$0	\$0	\$0	15.60							

— Primary Baseline   
 ■ Remaining Work   
 ◆ Baseline Milestone  
■ Actual Work   
 ■ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14368171	12 GEV BL13-00...		Strip Clean The SOS: Hoses, Cable & Shielding	13-May-11	18-Oct-11	22.00	\$0	0.00	\$0	\$0	\$0	3.60							
14368172	12 GEV BL13-00...	13-006F	Radiation Cooldown	14-May-12	12-Jun-12	4.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368172a	12 GEV BL13-00...	13-006F	Qweak Post Run Alignment Survey	29-May-12	12-Jun-12	2.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368173	12 GEV BL13-00...	13-006F	Disconnect & Remove Qweak Girder	13-Jun-12	19-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	53.60							
14368174	12 GEV BL13-00...	13-006F	Dismantle & Remove Qweak Electronics Bunker	13-Jun-12	19-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368174a	12 GEV BL13-00...	13-006F	Install SOS Rails, Move SOS and Remove doors and door frame	20-Jun-12	03-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	23.60							
14368174b	12 GEV BL13-00...	13-006F	Remove SOS Hydraulic Cylinders and supports	04-Jul-12	17-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	23.60							
14368174c	12 GEV BL13-00...	13-006F	Move SOS Back and Saw cut and remove concrete	18-Jul-12	07-Aug-12	3.00	\$0	0.00	\$0	\$0	\$0	23.60							
14368174d	12 GEV BL13-00...	13-006F	Remove SOS Dipole	24-Sep-12	28-Sep-12	1.00	\$0	0.00	\$0	\$0	\$0	17.20							
14368174f	12 GEV BL13-00...	13-006	Saw cut and remove remaining SOS concrete	15-Feb-13	20-Feb-13	0.60	\$0	0.00	\$0	\$0	\$0	17.20							
14368174g	12 GEV BL13-00...	13-006	Remove SOS Chassis , rails and pivot bearing	21-Feb-13	15-Mar-13	3.40	\$0	0.00	\$0	\$0	\$0	17.20							
14368174h	12 GEV BL13-00...	13-006F	Remove HKS Dummy weight	20-Jun-12	21-Jun-12	0.40	\$0	0.00	\$0	\$0	\$0	16.00							
14368174j	12 GEV BL13-00...	13-006F	Remove Qweak cableing and trays	22-Jun-12	28-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368174k	12 GEV BL13-00...	13-006F	Remove Qweak Region 3 Shield Hut	29-Jun-12	16-Jul-12	2.40	\$0	0.00	\$0	\$0	\$0	16.00							
14368174n	12 GEV BL13-00...	13-006F	Remove Qweak Region 3 Detectors and support structures	17-Jul-12	06-Aug-12	3.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368174p	12 GEV BL13-00...	13-006F	Remove QTOR Magnet	07-Aug-12	20-Aug-12	2.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368174q	12 GEV BL13-00...	13-006F	Remove Qweak shield wall and beam dump sections	21-Aug-12	27-Aug-12	1.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368174r	12 GEV BL13-00...	13-006F	Remove Qweak regions 1 and 2	28-Aug-12	14-Sep-12	2.60	\$0	0.00	\$0	\$0	\$0	16.00							
14368174s	12 GEV BL13-00...	13-006F	Remove Qweak cryo target complete	17-Sep-12	21-Sep-12	1.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368174t	12 GEV BL13-00...	13-006F	Remove all remaining 9.5" concrete pads	24-Sep-12	05-Oct-12	2.00	\$0	0.00	\$0	\$0	\$0	16.00							
14368175	12 GEV BL13-00...	13-006	Ccan and platform removal	02-Apr-13	13-May-13	6.00	\$52,287	28.00	\$0	\$52,287	\$0	16.00							
14368176	12 GEV BL13-00...	13-006F	Reroute HMS Cableways to Clear SHMS	14-May-12	07-Aug-12	12.00	\$7,409	4.00	\$10,648	\$18,057	\$0	47.60							
14368180	12 GEV BL13-00...		Restore HaLL C and ESR Cryo To Base Config.	14-May-12	25-May-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368182M	12 GEV BL13-00...		Cryogens Available from ESR or CHL	29-May-12		0.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368185	12 GEV BL13-00...		Cool Down HMS Dipole	29-May-12	05-Jun-12	1.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368190	12 GEV BL13-00...		Cool Down HMS Q1	06-Jun-12	19-Jun-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368195	12 GEV BL13-00...		Cool Down HMS Q2	20-Jun-12	03-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368200	12 GEV BL13-00...		Cool Down HMS Q3	04-Jul-12	17-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368205	12 GEV BL13-00...		Comission HMS Dipole at 3000 amps	18-Jul-12	31-Jul-12	2.00	\$0	0.00	\$0	\$0	\$0	81.80							
14368207	12 GEV BL13-00...	13-006	Complete Readiness Review for SHMS DCPS Testing	02-Jan-13	13-Feb-13	6.00	\$7,797	3.00	\$0	\$7,797	\$0	86.20							
14368210	12 GEV BL13-00...		Prepare LCW for SHMS DCPS Testing	06-Jun-12	19-Jun-12	2.00	\$12,720	6.00	\$0	\$18,044	\$5,324	86.20							
14368215	12 GEV BL13-00...		Prepare AC Power for SHMS DCPS Testing	06-Jun-12	19-Jun-12	2.00	\$12,706	6.00	\$0	\$23,354	\$10,648	86.20							
14368220	12 GEV BL13-00...		Connect HMS Q1 to SHMS DCPS #1	20-Jun-12*	21-Jun-12	0.40	\$1,412	0.80	\$0	\$1,412	\$0	85.80							
14368225	12 GEV BL13-00...		Test Power Supply DCPS #1	22-Jun-12	26-Jun-12	0.60	\$3,366	1.20	\$0	\$3,366	\$0	85.80							
14368230	12 GEV BL13-00...		Connect HMS Q1 to SHMS DCPS #2	27-Jun-12	28-Jun-12	0.40	\$1,412	0.80	\$0	\$1,412	\$0	85.80							
14368235	12 GEV BL13-00...		Test Power Supply DCPS #2	29-Jun-12	03-Jul-12	0.60	\$3,366	1.20	\$0	\$3,366	\$0	85.80							
14368240	12 GEV BL13-00...		Connect HMS Dipole to SHMS DCPS #3	17-Apr-13	18-Apr-13	0.40	\$1,457	0.80	\$0	\$1,457	\$0	47.00							
14368245	12 GEV BL13-00...		Test Power Supply DCPS #3	19-Apr-13	23-Apr-13	0.60	\$3,473	1.20	\$0	\$3,473	\$0	47.00							
14368250	12 GEV BL13-00...		Connect HMS Dipole to SHMS DCPS #4	24-Apr-13	25-Apr-13	0.40	\$1,457	0.80	\$0	\$1,457	\$0	47.00							
14368255	12 GEV BL13-00...		Test Power Supply DCPS #4	26-Apr-13	30-Apr-13	0.60	\$3,473	1.20	\$0	\$3,473	\$0	47.00							
14368260	12 GEV BL13-00...		Connect HMS Dipole to SHMS DCPS #5	01-May-13	02-May-13	0.40	\$1,457	0.80	\$0	\$1,457	\$0	47.00							
14368265	12 GEV BL13-00...		Test Power Supply DCPS #5	03-May-13	07-May-13	0.60	\$3,473	1.20	\$0	\$3,473	\$0	47.00							
14368280LOE	12 GEV BL13-00...		Installation Management P1	01-Jul-13	30-Sep-13	12.80	\$24,044	8.25	\$0	\$24,044	\$0	99.00							
14368285LOE	12 GEV BL13-00...		Installation Management P2	01-Oct-13	30-Sep-14	49.60	\$96,175	33.00	\$0	\$96,175	\$0	99.00							
14368300	12 GEV BL13-00...	13-006	Install SHMS Position Readback System	27-May-14	23-Jun-14	4.00	\$7,312	4.00	\$0	\$8,411	\$1,099	37.80							
14368305	12 GEV BL13-00...	13-006	Install Rotation Controls of Supprt Struct	27-May-14	23-Jun-14	4.00	\$18,915	8.00	\$90,550	\$109,465	\$0	37.80							
14368310	12 GEV BL13-00...	13-006	Install Cable Trays of Supprt Struct	13-Jan-14	03-Feb-14	3.00	\$11,314	6.00	\$15,695	\$27,010	\$0	10.60							
14368315	12 GEV BL13-00...	13-006	Install AC Pwr for Supprt Struct	20-Nov-13	03-Jan-14	5.00	\$18,267	10.00	\$45,879	\$77,849	\$13,703	14.60							
14368317	12 GEV BL13-00...	13-006	Install LCW for Supprt Struct	20-Nov-13	03-Jan-14	5.00	\$18,293	10.00	\$14,447	\$37,899	\$5,160	14.60							
14368320	12 GEV BL13-00...	13-006	Install Fire Protection & Detection Sys of Supprt Struct	13-Jan-14	27-Jan-14	2.00	\$7,286	4.00	\$22,939	\$36,455	\$6,230	11.60							
14368322	12 GEV BL13-00...	13-006	Re-Establish Hall-C Alignment Network Prior to SHMS Assy	02-Jan-13	08-Jan-13	1.00	\$3,669	2.00	\$0	\$3,669	\$0	18.20							
14368325	12 GEV BL13-00...	13-006F	Install Rails of Supprt Struct	19-Nov-12	10-Jan-13	6.20	\$3,669	2.00	\$0	\$44,790	\$41,122	16.00							
14368327	12 GEV BL13-00...	13-006	Check Rail Alignment	21-Feb-13	21-Feb-13	0.20	\$734	0.40	\$0	\$734	\$0	104.40							
14368330	12 GEV BL13-00...	13-006	Assemble Main Carriage of Supprt Struct	14-May-13	07-Aug-13	12.00	\$78,074	39.00	\$500,000	\$621,682	\$43,609	16.00							
14368333	12 GEV BL13-00...	13-006	Install Cryo Boom Support	08-Aug-13	09-Aug-13	0.40	\$11,314	6.00	\$15,000	\$26,314	\$0	31.80							

— Primary Baseline   
 — Remaining Work   
 ◆ Baseline Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ◆ Milestone

Activity ID	Project ID	CR 13-006	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	12	FY2013	FY2014	FY2015	FY2016	7	
14368335M	12 GEV BL13-00...	13-006	Central Rails for SHMS Installed (SHIELD HOUSE)	22-Feb-13		0.00	\$0	0.00	\$0	\$0	\$0	104.40							
14368340	12 GEV BL13-00...	13-006	Install Cable Tray & Conduits (SHIELD HOUSE)	14-Feb-14	21-Mar-14	5.00	\$11,314	6.00	\$15,695	\$27,010	\$0	11.20							
14368345	12 GEV BL13-00...	13-006	Install Shield House HVAC (SHIELD HOUSE)	21-Apr-14	25-Apr-14	1.00	\$1,462	0.80	\$10,648	\$12,111	\$0	11.20							
14368350	12 GEV BL13-00...	13-006	Install and Prep Electronics Room DAQ Racks (SHIELD HOUSE)	28-Apr-14	23-May-14	4.00	\$10,981	6.00	\$0	\$16,475	\$5,494	11.20							
14368355	12 GEV BL13-00...	13-006	Forming Work for Concrete	01-Oct-13	05-Nov-13	5.20	\$13,742	6.00	\$108,180	\$121,923	\$0	10.60							
14368360	12 GEV BL13-00...	13-006	Pour concrete and remove forms	06-Nov-13	19-Nov-13	2.00	\$3,669	2.00	\$277,881	\$281,550	\$0	10.60							
14368365	12 GEV BL13-00...	13-006	Concrete Hardening Period	20-Nov-13	10-Jan-14	6.00	\$0	0.00	\$0	\$0	\$0	10.60							
14368370	12 GEV BL13-00...	13-006	Fab Raised Floor (SHIELD HOUSE)	14-Feb-14	14-Mar-14	4.00	\$3,977	2.00	\$53,241	\$57,218	\$0	12.20							
14368375	12 GEV BL13-00...	13-006	Install Shield House Electrical Pwr (SHIELD HOUSE)	24-Mar-14	25-Apr-14	5.00	\$9,766	4.00	\$0	\$15,995	\$6,230	11.20							
14368380	12 GEV BL13-00...	13-006	Install Fire Protection and Flamm Gas det. (SHIELD HOUSE)	31-Mar-14	25-Apr-14	4.00	\$9,108	5.00	\$38,373	\$47,481	\$0	11.20							
14368383	12 GEV BL13-00...		Procure SHMS Steel Platforms and Stairs	03-Dec-12	30-Apr-13	19.80	\$0	0.00	\$87,898	\$87,898	\$0	45.40							
14368385	12 GEV BL13-00...	13-006	Install SHMS Steel Platforms and Stairs	20-Nov-13	12-Dec-13	3.00	\$0	0.00	\$0	\$24,919	\$24,919	16.60							
14368390	12 GEV BL13-00...	13-006	Stack Calorimeter Blocks (SHOWER COUNTER)	14-Feb-14	14-Mar-14	4.00	\$14,675	8.00	\$0	\$14,675	\$0	24.20							
14368395	12 GEV BL13-00...	13-006	Connect PMTs & Cables (SHOWER COUNTER)	17-Mar-14	28-Mar-14	2.00	\$3,643	2.00	\$0	\$3,643	\$0	34.80							
14368400	12 GEV BL13-00...	13-006	Test Calorimeter (SHOWER COUNTER)	31-Mar-14	20-May-14	7.40	\$3,192	4.00	\$0	\$3,192	\$0	34.80							
14368410	12 GEV BL13-00...	13-006	Install Electrnc's (FAST Electrnc's)	27-May-14	05-Nov-14	23.00	\$65,576	30.00	\$0	\$65,576	\$0	11.20							
14368415	12 GEV BL13-00...	13-006	Connect Additional Quad for Moeller polarimeter	01-Oct-13	03-Dec-13	8.80	\$37,195	18.00	\$12,073	\$49,268	\$0	54.80							
14368420	12 GEV BL13-00...	13-006	Adjust Compton Elevation (Notebook)	04-Dec-13	21-Feb-14	10.00	\$20,486	11.00	\$0	\$25,486	\$5,000	54.80							
14368425	12 GEV BL13-00...		Install QR Magnets (Notebook)	16-May-12	26-Jul-12	10.00	\$10,964	6.00	\$0	\$10,964	\$0	132.20							
14368430	12 GEV BL13-00...	13-006	Install Beam Stands (Beam Pipe)	24-Sep-14	30-Sep-14	1.00	\$26,579	12.00	\$0	\$26,579	\$0	15.20							
14368435	12 GEV BL13-00...	13-006	Install Beam Pipe and Vac Fittings	19-Dec-14	02-Jan-15	1.00	\$1,834	1.00	\$0	\$14,294	\$12,460	4.20							
14368440	12 GEV BL13-00...	13-006	Leak Test Beam Pipe Vac Sys	05-Jan-15	09-Jan-15	1.00	\$0	0.00	\$0	\$32,272	\$32,272	4.20							
14368445	12 GEV BL13-00...		Install Spool & Bellows for All Magnets	17-Dec-14	05-Feb-15	6.00	\$44,148	21.00	\$0	\$63,333	\$19,184	17.40							
14368450	12 GEV BL13-00...	13-006	Install Windows & Flanges	09-Sep-14	20-Oct-14	6.00	\$17,257	8.00	\$0	\$17,257	\$0	31.20							
14368455	12 GEV BL13-00...	13-006	Install Shutter Exit Window	13-Jun-14	19-Jun-14	1.00	\$22,914	11.00	\$0	\$22,914	\$0	10.60							
14368460	12 GEV BL13-00...		Install Sieve Slit Sys	16-Feb-15	02-Mar-15	2.00	\$13,126	6.00	\$0	\$72,461	\$59,334	4.20							
14368465	12 GEV BL13-00...		Install Slit Controls	16-Feb-15	02-Mar-15	2.00	\$2,894	1.00	\$0	\$16,080	\$13,185	4.20							
14368470	12 GEV BL13-00...	13-006	Install Cables & Produce Final Drawings (CABLING)	24-Mar-14	16-Jun-14	12.00	\$116,475	59.00	\$0	\$170,624	\$54,149	11.20							
14368475	12 GEV BL13-00...		Assemble Iron Yoke for Q3 magnet	23-Oct-14	27-Oct-14	0.60	\$8,860	4.00	\$0	\$8,860	\$0	6.20							
14368480	12 GEV BL13-00...		Assemble Iron Yoke for Q2 magnet	04-Sep-14	08-Sep-14	0.60	\$8,860	4.00	\$0	\$8,860	\$0	6.20							
14368485	12 GEV BL13-00...	13-006	Inspect & Assemble Upper Iron Yoke & Stands for Dipole magnet	20-Dec-13	27-Jan-14	4.00	\$33,450	15.00	\$0	\$33,450	\$0	17.60							
14368490	12 GEV BL13-00...	13-006F	Q2 HC & FF Test	20-Oct-14	24-Oct-14	1.00	\$7,623	3.00	\$0	\$7,623	\$0	12.40							
14368495	12 GEV BL13-00...		Q2 Cooldown and Acceptance Test	15-Sep-14	24-Oct-14	6.00	\$9,458	4.00	\$0	\$9,458	\$0	5.40							
14368500	12 GEV BL13-00...		Q3- HC & FF Test	10-Dec-14	16-Dec-14	1.00	\$7,623	3.00	\$0	\$7,623	\$0	5.40							
14368505	12 GEV BL13-00...		Q3 Cooldown and Acceptance Test	03-Nov-14	16-Dec-14	6.00	\$9,458	4.00	\$0	\$9,458	\$0	5.40							

— Primary Baseline   
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