

Detailed Cost Estimate
CONVENTIONAL FACILITIES

WBS Level						LCLA DCE Aug-2006 Description	Early Start	Early Finish	Fund Type	Res Code	Units	Work Rem. Bud. Qty		Work Rem. Full Burd and Escltd Cost			Contngcy %	Contingency \$
1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09					CONVENTIONAL FACILITIES						25,800	92,704,849	2,667,959	92,756,218	95,424,177		14,887,853
1	09	01				System Management & Integration						24,038	12,764,624	2,536,261	12,813,549	15,349,810		2,151,965
1	09	01	01			Management						3,535	430,065	379,691	443,304	822,995		152,425
1	09	01	01			Management - FY06 (remain)	1-Aug-06	29-Sep-06	C	SL_SEEN	Hrs	140		14,486		14,486	10%	1,449
1	09	01	01			Construction Management Consulting - FY06 (rem)	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		53,045		53,045	53,045	10%	5,304
1	09	01	01			Consumable Supplies - FY06 (remain)	1-Aug-06	29-Sep-06	C	SL_MSE	\$\$		9,300		9,746	9,746	10%	975
1	09	01	01			Management - FY07	2-Oct-06	28-Sep-07	C	SL_SEEN	Hrs	1,694		179,883		179,883	20%	35,977
1	09	01	01			Travel - FY06 (remain)	1-Aug-06	29-Sep-06	C	SL_MST	\$\$		3,720		4,464	4,464	10%	446
1	09	01	01			Travel - FY07	2-Oct-06	28-Sep-07	C	SL_MST	\$\$		35,000		43,092	43,092	20%	8,618
1	09	01	01			Construction Management Consulting - FY07	2-Oct-06	28-Sep-07	C	SL_MSP	\$\$		240,000		240,000	240,000	20%	48,000
1	09	01	01			Consumable Supplies - FY07	2-Oct-06	28-Sep-07	C	SL_MSE	\$\$		8,000		8,602	8,602	20%	1,720
1	09	01	01			Cost Analysis	1-Aug-06	21-Aug-06	C	SL_MSP	\$\$		-		-	-	0%	-
1	09	01	01			CLOC Final Design Submittal - ICE	1-Aug-06	22-Aug-06	C	SL_MSP	\$\$		-		-	-	10%	-
1	09	01	01			Geotechnical Baseline Services	1-Aug-06	22-Aug-06	C	SL_MSP	\$\$		-		-	-	0%	-
1	09	01	01			Reproduction Cost for Group 2 - 4 IFB & IFC	1-Aug-06	30-Nov-06	C	SL_MSS	\$\$		40,000		40,000	40,000	10%	4,000
1	09	01	01			Reproduction for Value Engineering	27-Sep-06	21-Nov-06	C	SL_MSS	\$\$		24,000		24,000	24,000	20%	4,800
1	09	01	01			Management - FY08	1-Oct-07	30-Sep-08	C	SL_SEEN	Hrs	1,701		185,322		185,322	20%	37,064
1	09	01	01			Travel - FY08	1-Oct-07	30-Sep-08	C	SL_MST	\$\$		10,000		12,632	12,632	20%	2,526
1	09	01	01			Consumable Supplies - FY08	1-Oct-07	30-Sep-08	C	SL_MSE	\$\$		7,000		7,722	7,722	20%	1,544
1	09	01	02			CF Engineering						7,933	1,503,972	846,895	1,539,381	2,386,276		538,756
1	09	01	02			CF Engineering Support - FY06 (remain)	1-Aug-06	29-Sep-06	C	SL_SEEN	Hrs	420		43,458		43,458	10%	4,346
1	09	01	02			CF Engineering Support - FY07	2-Oct-06	28-Sep-07	C	SL_SEEN	Hrs	5,271		559,718		559,718	30%	167,915
1	09	01	02			JE A&E Construction Admin - first 6 mos	1-Aug-06	30-Jan-07	C	SL_MSP	\$\$		146,880		146,880	146,880	30%	44,064
1	09	01	02			JE A&E Construction Admin - second 6 mos	1-Feb-07	30-Jul-07	C	SA_MSP	\$\$		180,000		180,000	180,000	30%	54,000
1	09	01	02			JE A&E Value Engr - all but CLOC	1-Aug-06	9-Oct-06	C	SL_MSP	\$\$		327,600		327,600	327,600	10%	32,760
1	09	01	02			A&E Engineering Consultant - FY06	1-Aug-06	29-Dec-06	C	SL_MSP	\$\$		30,000		30,000	30,000	20%	6,000
1	09	01	02			A&E Engineering Consultant - FY07	2-Jan-07	2-Jan-08	C	SL_MSP	\$\$		248,000		248,000	248,000	30%	74,400
1	09	01	02			Fire Hazard Analysis Design - FY07	5-Dec-06	2-Mar-07	C	SA_MSP	\$\$		75,000		75,000	75,000	40%	30,000
1	09	01	02			JE A&E Title 3 Engineering Support	1-Aug-06	28-Sep-07	C	SL_MSP	\$\$		496,492		531,901	531,901	10%	53,190
1	09	01	02			CEF Linac Title 2 Support	1-Aug-06	29-Sep-06	C	SL_SEE	Hrs	100		10,350		10,350	20%	2,070
1	09	01	02			CF Engineering Support - FY08 (Oct07-Feb08)	1-Oct-07	29-Feb-08	C	SL_SEEN	Hrs	2,142		233,369		233,369	30%	70,011
1	09	01	03			Construction Management & AE Support						10,999	10,821,288	1,173,061	10,821,564	11,994,626		1,417,010
1	09	01	03			CF Construction Management - FY06 (remain)	1-Aug-06	29-Sep-06	C	SL_UTR	Hrs	420		43,458		43,458	10%	4,346
1	09	01	03			CF Construction Management - FY07 (Oct-Dec06)	2-Oct-06	29-Dec-06	C	SL_UTR	Hrs	1,302		138,257		138,257	30%	41,477
1	09	01	03			CEF UTR Support - FY06 (remain)	1-Aug-06	29-Sep-06	C	SL_UTR	Hrs	205		21,224		21,224	10%	2,122
1	09	01	03			CF Construction Management - FY07 (Jan-Sep07)	2-Jan-07	28-Sep-07	C	SL_UTR	Hrs	6,615		702,435		702,435	30%	210,730
1	09	01	03			Phase 2 Construction Management - FY06	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		686,787		686,787	686,787	10%	68,679
1	09	01	03			Phase 2 Construction Management - FY06	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		165,000		165,000	165,000	10%	16,500
1	09	01	03			Phase 2 Construction Management - FY07	3-Oct-06	28-Sep-07	C	SL_MSP	\$\$		5,660,000		5,660,000	5,660,000	10%	566,000
1	09	01	03			Phase 2 Payment & Performance Bond (SLAC)	1-Aug-06	28-Aug-06	C	SL_MSP	\$\$		-		-	-	0%	-
1	09	01	03			AE Engineering Support Title 3 - MMF (remain)	1-Aug-06	29-Sep-06	C	SL_MSS	\$\$		2,500		2,620	2,620	10%	262
1	09	01	03			AE Engineering Support Title 3 - Alcove (remain)	1-Aug-06	29-Sep-06	C	SL_MSS	\$\$		3,263		3,420	3,420	10%	342
1	09	01	03			TCCo - COR # 2 - Preconstruction Cost Settlement	1-Aug-06	31-Aug-06	C	SL_MSP	\$\$		-		-	-	0%	-
1	09	01	03			TCCo - COR # 3 - CLOC Procurement	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		27,555		27,555	27,555	0%	-
1	09	01	03			CF Construction Management - FY08 (Oct-Nov07)	1-Oct-07	30-Nov-07	C	SL_UTR	Hrs	1,505		163,968		163,968	30%	49,191
1	09	01	03			CF Construction Management - FY08 (Dec07-Feb08)	3-Dec-07	29-Feb-08	C	SL_UTR	Hrs	826		89,992		89,992	30%	26,998
1	09	01	03			CF Construction Management - FY08 (Dec07)	3-Dec-07	27-Dec-07	C	SL_UTR	Hrs	126		13,728		13,728	20%	2,746
1	09	01	03			Phase 2 Construction Management - FY08	2-Oct-07	1-May-08	C	SA_MSP	\$\$		3,000,000		3,000,000	3,000,000	10%	300,000
1	09	01	03			Phase 2 Construction Management - FY08	2-Oct-07	1-May-08	C	SA_MSP	\$\$		1,276,183		1,276,183	1,276,183	10%	127,618
1	09	01	04			Mechanical Design (MD)						1,532	9,300	132,442	9,300	141,742		42,523
1	09	01	04	01		Mechanical Design Title 1 - RSY through CLOC												
1	09	01	04	02		Mechanical Design T1 Linac Facilities												

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1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	01	04	03		Mechanical Design Title 2 - RSY through CLOC												
1	09	01	04	04		Mechanical Design T2 Linac Facilities						512	9,300	42,601	9,300	51,901	15,570	
1	09	01	04	04		MD Support Title 2 Linac Facility - FY06 Remain	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		9,300		9,300	9,300	30%	2,790
1	09	01	04	04		MD Support Title 2 Linac Facility - FY06 Remain	1-Aug-06	29-Sep-06	C	SL_MDD	Hrs	112		9,108		9,108	30%	2,732
1	09	01	04	04		MD Support Title 2 Linac Facility - FY07	2-Oct-06	27-Dec-06	C	SL_MDD	Hrs	400		33,493		33,493	30%	10,048
1	09	01	04	05		Mechanical Design Title 3 Linac Facility						220	-	23,139	-	23,139	6,942	
1	09	01	04	05		MD Title 3 Support - Linac	21-Aug-06	8-Dec-06	C	SL_SEE	1Hrs	220		23,139		23,139	30%	6,942
1	09	01	04	06		Mechanical Design Title 3 - RSY through CLOC						800	-	66,702	-	66,702	20,011	
1	09	01	04	06		MD Title 3 Support - Beam Path	1-Aug-06	31-Jul-07	C	SL_MDD	Hrs	800		66,702		66,702	30%	20,011
1	09	01	05			Conventional Experiment Facility (CEF)						40	-	4,171	-	4,171	1,251	
1	09	01	05	01		CEF Engineering Title 1 - RSY through CLOC												
1	09	01	05	02		CEF Engineering Title 1 Linac Facility												
1	09	01	05	03		CEF Engineering Title 2 - RSY through CLOC												
1	09	01	05	04		CEF Design Linac Facility Title 2						40	-	4,171	-	4,171	1,251	
1	09	01	05	04		CEF Title 2 Engineering Support - LINAC	1-Aug-06	26-Oct-06	L	SL_SEE	1Hrs	40		4,171		4,171	30%	1,251
1	09	02				Title 1 & Title 2 Conventional Facilities						-	25,590	-	25,590	25,590	6,189	
1	09	02	02			A & E Services - RSY throguh CLOC						-	25,590	-	25,590	25,590	6,189	
1	09	02	02	01		Title 1 Design												
1	09	02	02	02		Title 2 Design						-	25,590	-	25,590	25,590	6,189	
1	09	02	02	02		12 kv Design (MH 48 to CUP Substation) - remain	1-Aug-06	29-Sep-06	L	SL_MSP	\$\$		14,880		14,880	14,880	20%	2,976
1	09	02	02	02		Mechanical Design Consultant - remain	1-Aug-06	29-Dec-06	L	SL_MSP	\$\$		10,710		10,710	10,710	30%	3,213
1	09	02	03			A & E Services - (S20, MMF, MCC)												
1	09	02	03	01		Title 1 Design (Sector 20)												
1	09	02	03	02		Title 2 Design (Sector 20)												
1	09	02	03	03		Title 1 Design (MMF)												
1	09	02	03	04		Title 2 Design (MMF)												
1	09	02	03	05		Title 1 Design (MCC)												
1	09	02	03	06		Title 2 Design (MCC)												
1	09	03				Construction-T3 Conventional Facilities						1,762	79,914,635	131,699	79,917,079	80,048,777	12,729,699	
1	09	03	01			Sector 20 Injector Facilities						2	80,891	129	80,891	81,020	8,102	
1	09	03	01	01		S20 - Site Preparation/General Requirements												
1	09	03	01	02		S20 - Site Construction												
1	09	03	01	03		S20 - Concrete												
1	09	03	01	04		S20 - Masonry												
1	09	03	01	05		S20 - Metals												
1	09	03	01	06		S20 - Woods & Plastics												
1	09	03	01	07		S20 - Thermal & Moisture Protection												
1	09	03	01	08		S20 - Doors & Windows												
1	09	03	01	09		S20 - Finishes												
1	09	03	01	10		S20 - Specialties												
1	09	03	01	14		S20 - Conveying Systems												
1	09	03	01	15		S20 - Mechanical												
1	09	03	01	16		S20 - Electrical												
1	09	03	01	20		S20 - Project Close Out						2	80,891	129	80,891	81,020	8,102	
1	09	03	01	20		Drawing Implementation to SLAC System- S20	16-Feb-06	29-Sep-06	C	SL_MDD	Hrs	2		129		129	10%	13
1	09	03	01	20		Approved XL CORs for S20	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		70,900		70,900	70,900	10%	7,090
1	09	03	01	20		Chemical Waste Management	1-Aug-06	31-Aug-06	C	SL_MSP	\$\$		-		-	-	10%	-
1	09	03	01	20		Fire Protection System (BMP)	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		4,000		4,000	4,000	10%	400
1	09	03	01	20		Electrical Code Violation	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		4,000		4,000	4,000	10%	400
1	09	03	01	20		S20 Project Close Out for LOTO	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		1,991		1,991	1,991	10%	199
1	09	03	01	20		Noise & Vibration Controls	1-Aug-06	31-Aug-06	C	SL_MSP	\$\$		-		-	-	10%	-
1	09	03	02			Magnetic Measurement Facility						-	77,623	-	77,623	77,623	7,762	

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1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	03	02	01		MMF - Site Preparation/General Requirements												
1	09	03	02	02		MMF - Site Construction												
1	09	03	02	03		MMF - Concrete												
1	09	03	02	04		Utilities												
1	09	03	02	05		MMF - Metals												
1	09	03	02	06		MMF - Woods & Plastics												
1	09	03	02	07		MMF - Thermal & Moisture Protection												
1	09	03	02	08		MMF - Doors & Windows												
1	09	03	02	09		MMF - Finishes												
1	09	03	02	10		MMF - Specialities												
1	09	03	02	13														
1	09	03	02	14		MMF - Conveying Systems												
1	09	03	02	15		MMF - Mechanical												
1	09	03	02	16		MMF - Electrical												
1	09	03	02	20		MMF - Project Close Out						-	77,623	-	77,623	77,623	7,762	
1	09	03	02	20		Waste Chemical Management	1-Aug-06	31-Aug-06	C	SL_MSP	\$\$		-		-	-	0%	-
1	09	03	02	20		XL Approved Change Orders	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		18,178		18,178	18,178	10%	1,818
1	09	03	02	20		MMF Furnishing	1-Aug-06	31-Aug-06	C	SL_MSP	\$\$		-		-	-	10%	-
1	09	03	02	20		B81 Feeder - Generator Rental & Maintenance	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		14,921		14,921	14,921	10%	1,492
1	09	03	02	20		B81 Feeder - Approved CORs	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		35,000		35,000	35,000	10%	3,500
1	09	03	02	20		Project Close Out - Safety Requirements, LOTO	1-Aug-06	29-Sep-06	C	SL_MSP	\$\$		9,524		9,524	9,524	10%	952
1	09	03	03			BTH West						600	310,000	37,654	310,000	347,654		173,827
1	09	03	03	01		BTH West - Site Preparation						600	-	37,654	-	37,654		18,827
1	09	03	03	01		Site Preparation	2-Jan-07	25-Apr-07	C	SL_SEPI	Hrs	600		37,654		37,654	50%	18,827
1	09	03	03	15		BTH West - Mechanical						-	100,000	-	100,000	100,000	50%	50,000
1	09	03	03	15		BTH West - Mechanical	8-Feb-07	2-Apr-07	C	SA_MSP	\$\$		100,000		100,000	100,000	50%	50,000
1	09	03	03	16		BTH West - Electrical						-	180,000	-	180,000	180,000	50%	90,000
1	09	03	03	16		BTH West - Electrical	1-Feb-07	26-Apr-07	C	SL_MSS	\$\$		180,000		180,000	180,000	50%	90,000
1	09	03	03	20		BTH West - Project Close Out						-	30,000	-	30,000	30,000	50%	15,000
1	09	03	03	20		BTH West - Commissioning & Project Close Out	27-Apr-07	22-Jun-07	C	SL_MSS	\$\$		30,000		30,000	30,000	50%	15,000
1	09	03	04			Linac Facility Upgrade (LN)						40	959,225	3,349	961,668	965,018		288,835
1	09	03	04	01		LN - Site Preparation												
1	09	03	04	02		LN - Sitework												
1	09	03	04	03		Electrical												
1	09	03	04	04		Utilities												
1	09	03	04	05		Linac - Metals												
1	09	03	04	06		Special System - Fire Protection												
1	09	03	04	10		Project Close Out Linac Facility												
1	09	03	04	15		LN - Mechanical						-	659,225	-	661,180	661,180		198,354
1	09	03	04	15		Linac Mechanical Equipment	1-Aug-06	3-Oct-06	C	SL_MSE	\$\$		40,000		41,955	41,955	30%	12,586
1	09	03	04	15		Start: Linac Facility Upgrades - Mech Constr	5-Oct-06	27-Feb-07	C	SL_MSS	\$\$		119,225		119,225	119,225	30%	35,768
1	09	03	04	15		Start: Linac Facility Upgrades - Mech Constr	5-Oct-06	27-Feb-07	C	SL_MSS	\$\$		500,000		500,000	500,000	30%	150,000
1	09	03	04	16		LN - Electrical						-	250,000	-	250,489	250,489		75,147
1	09	03	04	16		Linac Electrical Equipment	1-Aug-06	3-Oct-06	C	SL_MSE	\$\$		10,000		10,489	10,489	30%	3,147
1	09	03	04	16		Start: Linac Facility Upgrades - Electr Constr	5-Oct-06	27-Feb-07	C	SL_MSS	\$\$		240,000		240,000	240,000	30%	72,000
1	09	03	04	20		LN - Project Close Out						40	50,000	3,349	50,000	53,349		15,335
1	09	03	04	20		Building Commissioning Linac Facility	28-Feb-07	24-Apr-07	C	SL_MSP	\$\$		30,000		30,000	30,000	30%	9,000
1	09	03	04	20		Project Punch List Linac Facility	28-Feb-07	24-Apr-07	C	SL_MSP	\$\$		20,000		20,000	20,000	30%	6,000
1	09	03	04	20		Drawing Implementation to SLAC System	25-Apr-07	8-May-07	C	SL_MDD	Hrs	40		3,349		3,349	10%	335
1	09	03	05			Research Yard Modifications						1,120	7,664,958	90,566	7,664,958	7,755,524		1,297,482
1	09	03	05	01		RY - Site Preparation						1,120	4,810,989	90,566	4,810,989	4,901,555		727,402
1	09	03	05	01		Start: Design & Constr New Wall for B113 Low Bay	2-Aug-06	29-Aug-06	C	SL_MSP	\$\$		-		-	-	10%	-

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1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	03	05	01		B102 - Seismic Upgrades	28-Aug-06	31-Oct-06	C	SL_MSP	\$\$		100,000		100,000	100,000	10%	10,000
1	09	03	05	01		SLAC RSY through CLOC - Site Preparation - Rem	1-Aug-06	31-Jan-07	C	SL_TMU	Hrs	176		16,757		16,757	20%	3,351
1	09	03	05	01		SLAC RSY through CLOC - Site Preparation - Rem	1-Aug-06	31-Jan-07	C	SL_TMU	Hrs	176		26,020		26,020	20%	5,204
1	09	03	05	01		SLAC RSY through CLOC - Site Preparation - Rem	1-Aug-06	31-Jan-07	C	SL_SEPM	Hrs	768		47,790		47,790	20%	9,558
1	09	03	05	01		Tunnel Rescue Team Equipment - Remain	1-Aug-06	23-Jan-07	C	SL_MSP	\$\$		32,800		32,800	32,800	20%	6,560
1	09	03	05	01		Pre-Purchase Equipment Logistics FEE	3-Oct-06	27-Mar-07	C	SL_GCF	\$\$		357,225		357,225	357,225	15%	53,584
1	09	03	05	01		General Requirements - FY07	3-Oct-06	27-Mar-07	C	SL_GCF	\$\$		1,379,464		1,379,464	1,379,464	15%	206,920
1	09	03	05	01		Start: Pre-Purchase Equipments - Beam-Path Only	3-Oct-06	27-Mar-07	C	SL_GCF	\$\$		2,381,500		2,381,500	2,381,500	15%	357,225
1	09	03	05	01		Start: CORs Construction Hard Costs	3-Oct-06	27-Mar-07	C	SL_GCF	\$\$		500,000		500,000	500,000	15%	75,000
1	09	03	05	01		SLAC Overhead on Hard Cost - FY06	1-Sep-06	29-Sep-06	C	SL_GCF	\$\$		30,000		30,000	30,000	0%	-
1	09	03	05	01		SLAC Overhead on Hard Cost - FY07	2-Oct-06	27-Oct-06	C	SL_GCF	\$\$		30,000		30,000	30,000	0%	-
1	09	03	05	01	01	General Requirements- CEF												
1	09	03	05	01	02	General Requirements - G/C												
1	09	03	05	02		RY - FFTB/BSY & Site Construction						-	2,139,698	-	2,139,698	2,139,698		427,940
1	09	03	05	02		Sitework	1-Sep-06	10-Nov-06	C	SL_GCF	\$\$		2,139,698		2,139,698	2,139,698	20%	427,940
1	09	03	05	02		Start: B113, 102A, B750 Gas Pad Demolition	2-Aug-06	29-Aug-06	C	SL_MSP	\$\$		-		-	-	0%	-
1	09	03	05	02		Start: Contaminated Soil Removal	2-Aug-06	29-Aug-06	C	SL_MSP	\$\$		-		-	-	0%	-
1	09	03	05	02	01	Site Construction - CEF												
1	09	03	05	02	02	Site Construction - G/C												
1	09	03	05	03		Electrical												
1	09	03	05	03	01	Electrical CEF												
1	09	03	05	03	02	Electrical G/C												
1	09	03	05	04		Utilities												
1	09	03	05	04	01	Utilities CEF												
1	09	03	05	04	02	Utilities G/C												
1	09	03	05	05		RY - Metals						-	14,271	-	14,271	14,271		2,141
1	09	03	05	05		Metals	30-Oct-06	11-Jan-07	C	SL_GCF	\$\$		14,271		14,271	14,271	15%	2,141
1	09	03	05	05	01	HVAC CEF												
1	09	03	05	05	02	HVAC G/C												
1	09	03	05	06		Special System - Fire Protection												
1	09	03	05	06	01	Special System - Fire Protection CEF												
1	09	03	05	06	02	Special System - Fire Protection												
1	09	03	05	07		Interior												
1	09	03	05	07	01	Interior CEF												
1	09	03	05	07	02	Interior G/C												
1	09	03	05	10		Project Close Out Reasearch Yard												
1	09	03	05	20		RY - Project Close Out						-	700,000	-	700,000	700,000		140,000
1	09	03	05	20		Start: Third Party Testing - Beam Path - 2006	1-Aug-06	28-Dec-06	C	SA_MSS	\$\$		100,000		100,000	100,000	20%	20,000
1	09	03	05	20		Start: Third Party Testing - Beam Path - 2007	2-Jan-07	29-Feb-08	C	SA_MSP	\$\$		100,000		100,000	100,000	20%	20,000
1	09	03	05	20		Start: Third Party Testing - Beam Path - 2007	2-Jan-07	29-Feb-08	C	SA_MSP	\$\$		500,000		500,000	500,000	20%	100,000
1	09	03	06			Access Road Construction (AR)						-	214,722	-	214,722	214,722		32,208
1	09	03	06	01		AR - Site Preparation/General Requirements												
1	09	03	06	02		AR - Site Construction						-	163,460	-	163,460	163,460		24,519
1	09	03	06	02		Sitework	1-Sep-06	11-Jan-07	C	SL_GCF	\$\$		163,460		163,460	163,460	15%	24,519
1	09	03	06	03		AR - Concrete						-	51,262	-	51,262	51,262		7,689
1	09	03	06	03		Concrete	16-Oct-06	11-Jan-07	C	SL_GCF	\$\$		51,262		51,262	51,262	15%	7,689
1	09	03	06	04		Utilities												
1	09	03	06	05		HVAC												
1	09	03	06	06		Special System- Fire Protection												
1	09	03	06	07		Interior												
1	09	03	06	10		Project Close Out Beam Trans Hall												
1	09	03	06	20		AR - Project Close Out												

Detailed Cost Estimate
CONVENTIONAL FACILITIES

WBS Level						LCLA DCE Aug-2006 Description	Early Start	Early Finish	Fund Type	Res Code	Units	Work Rem. Bud. Qty		Work Rem. Full Burd and Escltd Cost			Contngcy %	Contingency \$
1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	03	07			SITWORK												
1	09	03	07	01		SW - Site Preparation/General Requirements												
1	09	03	07	02		SW - Site Construction												
1	09	03	07	03		SW - Concrete												
1	09	03	07	04		Utilities												
1	09	03	07	05		HVAC												
1	09	03	07	06		Special System - Fire Protection												
1	09	03	07	07		Interior												
1	09	03	07	09		Tunneling												
1	09	03	07	10		Project Close Out Undulator Hall												
1	09	03	07	15		SW - Mechanical												
1	09	03	07	16		SW - Electrical												
1	09	03	07	17		SW - Others (include Div 4, and 6 through 14)												
1	09	03	07	20		SW - Project Close Out												
1	09	03	08			Beam Transport Hall (BTH)						-	11,233,778	-	11,233,778	11,233,778	1,703,167	
1	09	03	08	01		BTH - Site Preparation/General Requirements												
1	09	03	08	02		BTH - Site Construction						-	127,796	-	127,796	127,796	19,169	
1	09	03	08	02		Sitework	4-Oct-06	22-Oct-07	C	SL_GCF	\$\$		127,796		127,796	127,796	15%	19,169
1	09	03	08	03		BTH - Concrete						-	8,362,617	-	8,362,617	8,362,617	1,254,393	
1	09	03	08	03		Concrete	1-Nov-06	2-Aug-07	C	SL_GCF	\$\$		8,362,617		8,362,617	8,362,617	15%	1,254,393
1	09	03	08	04		Utilities												
1	09	03	08	05		BTH - Metals						-	138,211	-	138,211	138,211	20,732	
1	09	03	08	05		Metals	1-Nov-06	2-Aug-07	C	SL_GCF	\$\$		138,211		138,211	138,211	15%	20,732
1	09	03	08	06		Special System - Fire Protection												
1	09	03	08	07		Interior												
1	09	03	08	09		Tunneling												
1	09	03	08	10		Project Close Out Front End Enclosure												
1	09	03	08	15		BTH - Mechanical						-	277,755	-	277,755	277,755	41,663	
1	09	03	08	15		Mechanical	1-Nov-06	2-Aug-07	C	SL_GCF	\$\$		277,755		277,755	277,755	15%	41,663
1	09	03	08	16		BTH - Electrical						-	1,550,697	-	1,550,697	1,550,697	250,705	
1	09	03	08	16		Electrical	1-Nov-06	2-Aug-07	C	SL_GCF	\$\$		1,188,697		1,188,697	1,188,697	15%	178,305
1	09	03	08	16		Start: BTH Switchboard Installation	31-Oct-06	29-Jan-07	C	SA_MSS	\$\$		362,000		362,000	362,000	20%	72,400
1	09	03	08	17		BTH - Others (include Div 4, and 6 through 14)						-	776,702	-	776,702	776,702	116,505	
1	09	03	08	17		Other Construction	1-Nov-06	1-Nov-07	C	SL_GCF	\$\$		776,702		776,702	776,702	15%	116,505
1	09	03	08	20		BTH - Project Close Out												
1	09	03	09			Front End Enclosure (FEE)												
1	09	03	09	01		FEE - Site Preparation/General Requirements												
1	09	03	09	02		FEE - Site Construction						-	344,941	-	344,941	344,941	51,741	
1	09	03	09	02		Sitework	20-Dec-06	20-Aug-07	C	SL_GCF	\$\$		344,941		344,941	344,941	15%	51,741
1	09	03	09	03		FEE - Concrete						-	1,022,318	-	1,022,318	1,022,318	153,348	
1	09	03	09	03		Concrete	20-Feb-07	20-Aug-07	C	SL_GCF	\$\$		1,022,318		1,022,318	1,022,318	15%	153,348
1	09	03	09	04		Utilities												
1	09	03	09	05		FEE - Metals												
1	09	03	09	06		Special System (Fire Protection) Beam Dump												
1	09	03	09	09		Tunneling												
1	09	03	09	10		Project Close Out Beam Dump												
1	09	03	09	15		FEE - Mechanical						-	187,064	-	187,064	187,064	28,060	
1	09	03	09	15		Mechanical	20-Feb-07	20-Aug-07	C	SL_GCF	\$\$		187,064		187,064	187,064	15%	28,060
1	09	03	09	16		FEE - Electrical						-	231,926	-	231,926	231,926	34,789	
1	09	03	09	16		Electrical	20-Feb-07	20-Aug-07	C	SL_GCF	\$\$		231,926		231,926	231,926	15%	34,789
1	09	03	09	17		FEE - Others (include Div 4, and 6 through 14)						-	193,060	-	193,060	193,060	28,959	
1	09	03	09	17		Other Construction	20-Feb-07	1-Nov-07	C	SL_GCF	\$\$		193,060		193,060	193,060	15%	28,959

Detailed Cost Estimate
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WBS Level						LCLA DCE Aug-2006 Description	Early Start	Early Finish	Fund Type	Res Code	Units	Work Rem. Bud. Qty		Work Rem. Full Burd and Escltd Cost			Contngcy %	Contingency \$
1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	03	09	20		FEE - Project Close Out												
1	09	03	10			Electron Beam Dump (EBD)						-	2,386,148	-	2,386,148	2,386,148		421,522
1	09	03	10	01		EBD - Site Preparation/General Requirements												
1	09	03	10	02		EBD - Site Construction						-	200,888	-	200,888	200,888		30,133
1	09	03	10	02		Sitework	16-Jan-07	23-Oct-07	C	SL_GCF	\$\$		200,888		200,888	200,888	15%	30,133
1	09	03	10	03		EBD - Concrete						-	797,269	-	797,269	797,269		119,590
1	09	03	10	03		Concrete	14-Mar-07	23-Oct-07	C	SL_GCF	\$\$		797,269		797,269	797,269	15%	119,590
1	09	03	10	04		Utilities												
1	09	03	10	05		EBD - Metals												
1	09	03	10	06		Special System - Fire Protection												
1	09	03	10	07		Interior												
1	09	03	10	10		Project Close Out Near Experimental Hall												
1	09	03	10	15		EBD - Mechanical						-	457,288	-	457,288	457,288		68,593
1	09	03	10	15		Mechanical	14-Mar-07	23-Oct-07	C	SL_GCF	\$\$		457,288		457,288	457,288	15%	68,593
1	09	03	10	16		EBD - Electrical						-	524,123	-	524,123	524,123		142,218
1	09	03	10	16		SLAC Install EBD Steel Shielding	31-Oct-06	24-Apr-07	C	SA_MSS	\$\$		212,000		212,000	212,000	45%	95,400
1	09	03	10	16		Electrical	14-Mar-07	23-Oct-07	C	SL_GCF	\$\$		312,123		312,123	312,123	15%	46,818
1	09	03	10	17		EBD - Others (include Div 4, and 6 through 14)						-	406,580	-	406,580	406,580		60,987
1	09	03	10	17		Other Construction	14-Mar-07	1-Nov-07	C	SL_GCF	\$\$		406,580		406,580	406,580	15%	60,987
1	09	03	10	20		EBD - Project Close Out												
1	09	03	11			Near Experimental Hall (NEH)						-	13,228,419	-	13,228,419	13,228,419		2,023,263
1	09	03	11	01		NEH - Site Preparation/General Requirements												
1	09	03	11	02		NEH - Site Construction						-	1,283,315	-	1,283,315	1,283,315		222,497
1	09	03	11	02		Sitework	16-Oct-06	16-Oct-07	C	SL_GCF	\$\$		1,083,315		1,083,315	1,083,315	15%	162,497
1	09	03	11	02		Start: Fire Protection (Hazard Analysis)	9-Jan-07	27-Jul-07	C	SA_MSP	\$\$		200,000		200,000	200,000	30%	60,000
1	09	03	11	03		NEH - Concrete						-	4,553,790	-	4,553,790	4,553,790		683,069
1	09	03	11	03		Concrete	13-Nov-06	20-Jun-07	C	SL_GCF	\$\$		4,553,790		4,553,790	4,553,790	15%	683,069
1	09	03	11	04		Utilities												
1	09	03	11	05		NEH - Metals						-	260,351	-	260,351	260,351		39,053
1	09	03	11	05		Metals	13-Nov-06	20-Jun-07	C	SL_GCF	\$\$		260,351		260,351	260,351	15%	39,053
1	09	03	11	06		Special System - Fire Protection												
1	09	03	11	07		Interiors												
1	09	03	11	09		Tunneling												
1	09	03	11	10		Project Close Out X-Ray Transport & Diagonistic												
1	09	03	11	15		NEH - Mechanical						-	2,712,026	-	2,712,026	2,712,026		406,804
1	09	03	11	15		Mechanical	13-Dec-06	1-Nov-07	C	SL_GCF	\$\$		2,712,026		2,712,026	2,712,026	15%	406,804
1	09	03	11	16		NEH - Electrical						-	1,909,274	-	1,909,274	1,909,274		286,391
1	09	03	11	16		Electrical	13-Dec-06	14-Sep-07	C	SL_GCF	\$\$		1,909,274		1,909,274	1,909,274	15%	286,391
1	09	03	11	17		NEH - Others (include Div 4, and 6 through 14)						-	2,329,663	-	2,329,663	2,329,663		349,449
1	09	03	11	17		Other Construction	13-Dec-06	1-Nov-07	C	SL_GCF	\$\$		2,329,663		2,329,663	2,329,663	15%	349,449
1	09	03	11	20		NEH - Project Close Out						-	180,000	-	180,000	180,000		36,000
1	09	03	11	20		NEH Furnishing	5-Feb-08	1-Apr-08	C	SA_MSS	\$\$		180,000		180,000	180,000	20%	36,000
1	09	03	12			Undulator Hall (UH)						-	7,097,850	-	7,097,850	7,097,850		1,064,678
1	09	03	12	01		UH - Site Preparation/General Requirements												
1	09	03	12	02		UH - Site Construction						-	332,861	-	332,861	332,861		49,929
1	09	03	12	02		Sitework	31-Oct-06	15-Oct-07	C	SL_GCF	\$\$		332,861		332,861	332,861	15%	49,929
1	09	03	12	03		UH - Concrete												
1	09	03	12	04		Utilities												
1	09	03	12	05		UH - Metals						-	11,064	-	11,064	11,064		1,660
1	09	03	12	05		Metals	29-Dec-06	15-Oct-07	C	SL_GCF	\$\$		11,064		11,064	11,064	15%	1,660
1	09	03	12	06		Special System - Fire Protection												
1	09	03	12	07		Interiors												

Detailed Cost Estimate
CONVENTIONAL FACILITIES

WBS Level						LCLA DCE Aug-2006 Description	Early Start	Early Finish	Fund Type	Res Code	Units	Work Rem. Bud. Qty		Work Rem. Full Burd and Escltd Cost			Contngcy %	Contingency \$
1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	03	12	09		Tunneling												
1	09	03	12	10		Project Close Out Far Experimental Hall												
1	09	03	12	15		UH - Mechanical						-	1,184,868	-	1,184,868	1,184,868	177,730	
1	09	03	12	15		Mechanical	29-Dec-06	15-Oct-07	C	SL_GCF	\$\$		1,184,868		1,184,868	1,184,868	15%	177,730
1	09	03	12	16		UH - Electrical						-	604,115	-	604,115	604,115	90,617	
1	09	03	12	16		Electrical	29-Dec-06	15-Oct-07	C	SL_GCF	\$\$		604,115		604,115	604,115	15%	90,617
1	09	03	12	17		UH - Others (include Div 4, and 6 through 14)						-	292,352	-	292,352	292,352	43,853	
1	09	03	12	17		Other Construction	29-Dec-06	1-Nov-07	C	SL_GCF	\$\$		292,352		292,352	292,352	15%	43,853
1	09	03	12	19		UH - Tunnel Construction						-	4,672,590	-	4,672,590	4,672,590	700,889	
1	09	03	12	19		UH Tunnel Construction	31-Oct-06	24-Jul-07	C	SL_GCF	\$\$		4,672,590		4,672,590	4,672,590	15%	700,889
1	09	03	12	20		UH - Project Close Out												
1	09	03	13			X-Ray - Transport & Diagnostic Hall (XRTD)						-	7,069,053	-	7,069,053	7,069,053	1,060,358	
1	09	03	13	01		XRTD - Site Preparation/General Requirements												
1	09	03	13	02		XRTD - Site Construction						-	333,285	-	333,285	333,285	49,993	
1	09	03	13	02		Sitework	14-May-07	16-Oct-07	C	SL_GCF	\$\$		333,285		333,285	333,285	15%	49,993
1	09	03	13	03		XRTD - Concrete						-	112,816	-	112,816	112,816	16,922	
1	09	03	13	03		Concrete	11-Jul-07	16-Oct-07	C	SL_GCF	\$\$		112,816		112,816	112,816	15%	16,922
1	09	03	13	04		Utilities												
1	09	03	13	05		HVAC						-	13,110	-	13,110	13,110	1,967	
1	09	03	13	05		Metals	11-Jul-07	1-Nov-07	C	SL_GCF	\$\$		13,110		13,110	13,110	15%	1,967
1	09	03	13	06		Special System - Fire Protection												
1	09	03	13	07		Interior												
1	09	03	13	10		Project Close Out Central Laboratory Office Complex (CLOC)												
1	09	03	13	15		XRTD - Mechanical						-	1,086,423	-	1,086,423	1,086,423	162,963	
1	09	03	13	15		Mechanical	11-Jul-07	1-Nov-07	C	SL_GCF	\$\$		1,086,423		1,086,423	1,086,423	15%	162,963
1	09	03	13	16		XRTD - Electrical						-	916,735	-	916,735	916,735	137,510	
1	09	03	13	16		Electrical	11-Jul-07	1-Nov-07	C	SL_GCF	\$\$		916,735		916,735	916,735	15%	137,510
1	09	03	13	17		XRTD - Others (include Div 4, and 6 through 14)						-	233,033	-	233,033	233,033	34,955	
1	09	03	13	17		Other Construction	11-Jul-07	1-Nov-07	C	SL_GCF	\$\$		233,033		233,033	233,033	15%	34,955
1	09	03	13	19		XRTD - Tunnel Construction						-	4,373,651	-	4,373,651	4,373,651	656,048	
1	09	03	13	19		XRTD Tunnel Construction	14-May-07	28-Sep-07	C	SL_GCF	\$\$		4,373,651		4,373,651	4,373,651	15%	656,048
1	09	03	13	20		XRTD - Project Close Out												
1	09	03	14			Far Experimental Hall (FEH)						-	10,872,857	-	10,872,857	10,872,857	1,630,929	
1	09	03	14	01		FEH - Site Preparation/General Requirements												
1	09	03	14	02		FEH - Site Construction						-	160,897	-	160,897	160,897	24,135	
1	09	03	14	02		Sitework	18-Sep-06	31-Oct-07	C	SL_GCF	\$\$		160,897		160,897	160,897	15%	24,135
1	09	03	14	03		FEH - Concrete												
1	09	03	14	05		FEH - Metals						-	338,560	-	338,560	338,560	50,784	
1	09	03	14	05		Metals	13-Nov-06	31-Oct-07	C	SL_GCF	\$\$		338,560		338,560	338,560	15%	50,784
1	09	03	14	15		FEH - Mechanical						-	751,897	-	751,897	751,897	112,785	
1	09	03	14	15		Mechanical	13-Nov-06	17-Aug-07	C	SL_GCF	\$\$		751,897		751,897	751,897	15%	112,785
1	09	03	14	16		FEH - Electrical						-	993,126	-	993,126	993,126	148,969	
1	09	03	14	16		Electrical	13-Nov-06	18-Jun-07	C	SL_GCF	\$\$		993,126		993,126	993,126	15%	148,969
1	09	03	14	17		FEH - Others (include Div 4, and 6 through 14)						-	558,721	-	558,721	558,721	83,808	
1	09	03	14	17		Other Construction	13-Nov-06	31-Oct-07	C	SL_GCF	\$\$		558,721		558,721	558,721	15%	83,808
1	09	03	14	18		FEH - Access Tunnel						-	2,706,892	-	2,706,892	2,706,892	406,034	
1	09	03	14	18		Access Tunnel Constructionn	18-Sep-06	28-Sep-07	C	SL_GCF	\$\$		2,706,892		2,706,892	2,706,892	15%	406,034
1	09	03	14	19		FEH - Tunnel Construction						-	5,362,764	-	5,362,764	5,362,764	804,415	
1	09	03	14	19		FEH Tunnel Construction	18-Sep-06	28-Sep-07	C	SL_GCF	\$\$		5,362,764		5,362,764	5,362,764	15%	804,415
1	09	03	14	20		FEH - Project Close Out												
1	09	03	15			BTH Service Buildings 2.1, 2.2, and 2.3 (SB BTH)						-	3,308,973	-	3,308,973	3,308,973	496,346	
1	09	03	15	03		SB BTH - Concrete						-	78,624	-	78,624	78,624	11,794	

Detailed Cost Estimate
CONVENTIONAL FACILITIES

WBS Level						LCLA DCE Aug-2006 Description	Early Start	Early Finish	Fund Type	Res Code	Units	Work Rem. Bud. Qty		Work Rem. Full Burd and Escltd Cost			Contngcy %	Contingency \$
1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	03	15	03		Concrete	4-Oct-06	22-Oct-07	C	SL_GCF	\$\$		78,624		78,624	78,624	15%	11,794
1	09	03	15	05		SB BTH - Metals						-	180,565	-	180,565	180,565		27,085
1	09	03	15	05		Metals	1-Nov-06	22-Oct-07	C	SL_GCF	\$\$		180,565		180,565	180,565	15%	27,085
1	09	03	15	15		SB BTH - Mechanical						-	1,125,465	-	1,125,465	1,125,465		168,820
1	09	03	15	15		Mechanical	1-Nov-06	31-May-07	C	SL_GCF	\$\$		1,125,465		1,125,465	1,125,465	15%	168,820
1	09	03	15	16		SB BTH - Electrical						-	1,410,365	-	1,410,365	1,410,365		211,555
1	09	03	15	16		Electrical	1-Nov-06	31-May-07	C	SL_GCF	\$\$		1,410,365		1,410,365	1,410,365	15%	211,555
1	09	03	15	17		SB BTH - Others (include Div 4, and 6 through 14)						-	513,954	-	513,954	513,954		77,093
1	09	03	15	17		Other Construction	1-Nov-06	1-Nov-07	C	SL_GCF	\$\$		513,954		513,954	513,954	15%	77,093
1	09	03	15	20		SB BTH - Project Close Out						-		-				
1	09	03	16			UH Service Building 3.1 (SB UH)						-	2,204,370	-	2,204,370	2,204,370		330,656
1	09	03	16	01		SB UH - Site Preparation						-		-				
1	09	03	16	03		SB UH - Concrete						-	324,280	-	324,280	324,280		48,642
1	09	03	16	03		Concrete	31-Oct-06	15-Oct-07	C	SL_GCF	\$\$		324,280		324,280	324,280	15%	48,642
1	09	03	16	05		SB UH - Metals						-	89,712	-	89,712	89,712		13,457
1	09	03	16	05		Metals	30-Nov-06	15-Oct-07	C	SL_GCF	\$\$		89,712		89,712	89,712	15%	13,457
1	09	03	16	15		SB UH - Mechanical						-	781,901	-	781,901	781,901		117,285
1	09	03	16	15		Mechanical	30-Nov-06	30-Apr-07	C	SL_GCF	\$\$		781,901		781,901	781,901	15%	117,285
1	09	03	16	16		SB UH - Electrical						-	752,435	-	752,435	752,435		112,865
1	09	03	16	16		Electrical	30-Nov-06	30-Apr-07	C	SL_GCF	\$\$		752,435		752,435	752,435	15%	112,865
1	09	03	16	17		SB UH - Others (include Div 4, and 6 through 14)						-	256,042	-	256,042	256,042		38,406
1	09	03	16	17		Other Construction	30-Nov-06	1-Nov-07	C	SL_GCF	\$\$		256,042		256,042	256,042	15%	38,406
1	09	03	16	20		SB UH - Project Close Out						-		-				
1	09	03	17			FEH Service Building 8.1 (FEH SB)						-	1,670,837	-	1,670,837	1,670,837		250,626
1	09	03	17	01		SB FEH - Site Preparation						-		-				
1	09	03	17	03		SB FEH - Concrete						-	346,044	-	346,044	346,044		51,907
1	09	03	17	03		Concrete	18-Sep-06	16-Oct-07	C	SL_GCF	\$\$		346,044		346,044	346,044	15%	51,907
1	09	03	17	05		SB FEH - Metals						-	114,447	-	114,447	114,447		17,167
1	09	03	17	05		Metals	13-Nov-06	1-Nov-07	C	SL_GCF	\$\$		114,447		114,447	114,447	15%	17,167
1	09	03	17	15		SB FEH - Mechanical						-	574,856	-	574,856	574,856		86,228
1	09	03	17	15		Mechanical	13-Nov-06	1-Nov-07	C	SL_GCF	\$\$		574,856		574,856	574,856	15%	86,228
1	09	03	17	16		SB FEH - Electrical						-	436,848	-	436,848	436,848		65,527
1	09	03	17	16		Electrical	13-Nov-06	1-Nov-07	C	SL_GCF	\$\$		436,848		436,848	436,848	15%	65,527
1	09	03	17	17		SB FEH - Others (include Div 4, and 6 through 14)						-	198,642	-	198,642	198,642		29,796
1	09	03	17	17		Other Construction	13-Nov-06	1-Nov-07	C	SL_GCF	\$\$		198,642		198,642	198,642	15%	29,796
1	09	03	17	20		SB FEH - Project Close Out						-		-				
1	09	03	18			NEH Central Utility Plant (CUP)						-	6,725,461	-	6,725,461	6,725,461		1,218,519
1	09	03	18	01		CUP - Site Preparation/General Requirements						-		-				
1	09	03	18	02		CUP - Site Construction						-	111,958	-	111,958	111,958		43,794
1	09	03	18	02		Sitework	14-Dec-06	1-Nov-07	C	SL_GCF	\$\$		3,958		3,958	3,958	15%	594
1	09	03	18	02		Start: Natural Gas Line - PG & E	24-Oct-06	20-Dec-06	C	SA_MSP	\$\$		20,000		20,000	20,000	40%	8,000
1	09	03	18	02		Natural Gas Line (Guest House to CUP)	22-Dec-06	21-Feb-07	C	SA_MSP	\$\$		88,000		88,000	88,000	40%	35,200
1	09	03	18	03		CUP - Concrete						-	186,442	-	186,442	186,442		27,966
1	09	03	18	03		Concrete	16-Jan-07	27-Sep-07	C	SL_GCF	\$\$		186,442		186,442	186,442	15%	27,966
1	09	03	18	05		CUP - Metals						-	203,258	-	203,258	203,258		30,489
1	09	03	18	05		Metals	16-Jan-07	1-Nov-07	C	SL_GCF	\$\$		203,258		203,258	203,258	15%	30,489
1	09	03	18	15		CUP - Mechanical						-	2,692,592	-	2,692,592	2,692,592		403,889
1	09	03	18	15		Mechanical	16-Jan-07	27-Sep-07	C	SL_GCF	\$\$		2,692,592		2,692,592	2,692,592	15%	403,889
1	09	03	18	16		CUP - Electrical						-	3,073,055	-	3,073,055	3,073,055		643,658
1	09	03	18	16		Electrical	16-Jan-07	27-Sep-07	C	SL_GCF	\$\$		1,855,055		1,855,055	1,855,055	15%	278,258
1	09	03	18	16		12 kv Construction (MH48 to CUP Substat)	18-Jan-07	10-May-07	C	SA_MSS	\$\$		1,218,000		1,218,000	1,218,000	30%	365,400
1	09	03	18	17		CUP - Others (include Div 4, and 6 through 14)						-	458,156	-	458,156	458,156		68,723

Detailed Cost Estimate
CONVENTIONAL FACILITIES

WBS Level						LCLA DCE Aug-2006 Description	Early Start	Early Finish	Fund Type	Res Code	Units	Work Rem. Bud. Qty		Work Rem. Full Burd and Escltd Cost			Contngcy %	Contingency \$
1	2	3	4	5	6							Hours	\$	Labor	M&S	Total		
1	09	03	18	17		Other Construction	16-Jan-07	1-Nov-07	C	SL_GCF	\$\$		458,156		458,156	458,156	15%	68,723
1	09	03	18	20		CUP - Project Close Out												
1	09	03	19			Central Laboratory Office Complex (CLOC)						-	2,830,162	-	2,830,162	2,830,162		424,524
1	09	03	19	01		CLOC - Site Preparation/General Requirements												
1	09	03	19	02		CLOC - Sitework						-	2,830,162	-	2,830,162	2,830,162		424,524
1	09	03	19	02		Sitework (Bid Group 1)	13-Nov-06	19-Mar-07	C	SL_GCF	\$\$		2,830,162		2,830,162	2,830,162	15%	424,524
1	09	03	19	03		CLOC - Concrete												
1	09	03	19	04		CLOC - Masonry												
1	09	03	19	05		CLOC - Metals												
1	09	03	19	06		CLOC - Woods & Plastics												
1	09	03	19	07		CLOC - Thermal & Moisture Protection												
1	09	03	19	08		CLOC - Doors & Windows												
1	09	03	19	09		CLOC - Finishes												
1	09	03	19	10		CLOC - Specialties												
1	09	03	19	11		CLOC - Equipment												
1	09	03	19	12		CLOC - Furnishings												
1	09	03	19	13		CLOC - Special Construction												
1	09	03	19	14		CLOC - Conveying Systems												
1	09	03	19	15		CLOC - Mechanical												
1	09	03	19	16		CLOC - Electrical												
1	09	03	19	17		CLOC - Others (include Div 4, and 9 through 14)												
1	09	03	19	20		CLOC - Project Close Out												
2	09					CONVENTIONAL FACILITIES (OPC)						1,785	435,000	223,645	435,000	658,645		-
2	09	01				MANAGEMENT INTEGRATION												
2	09	03				RSY - CLOC Commissioning						1,785	435,000	223,645	435,000	658,645		-
2	09	03	05			RSY-CLOC Commissioning						1,785	435,000	223,645	435,000	658,645		-
2	09	03	05			Commissioning - Beam Path (FY07)	23-Jan-07	28-Sep-07	X	SA_MSS	\$\$		325,000		325,000	325,000		
2	09	03	05			Commissioning - Beam Path (FY08)	1-Oct-07	30-Jun-08	X	SA_MSS	\$\$		75,000		75,000	75,000		
2	09	03	05			Dispute Resolution Board (FY07)	9-Jan-07	28-Sep-07	X	SA_MSS	\$\$		35,000		35,000	35,000		
2	09	03	05			CF OPC Suuport - FY08 (Mar-Jun08)	3-Mar-08	30-Jun-08	X	SL_UTR	Hrs	1,785		223,645		223,645		