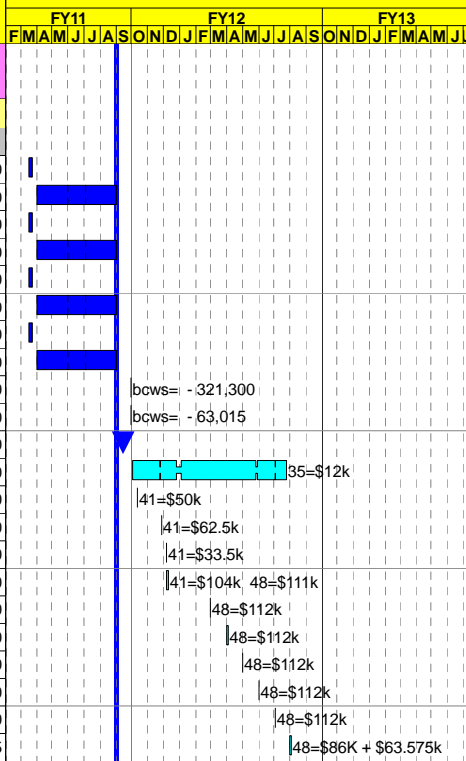


Pre CD-3 previously approved scope Sept 2011

Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI

Manufacture Inner TF Conductor

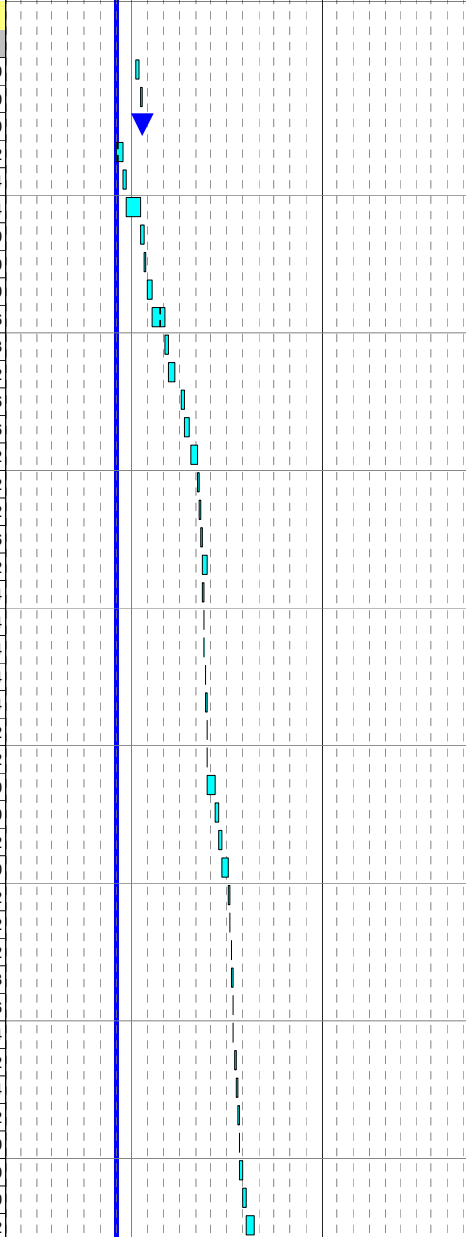
Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	Budget
1304-0730	Prep Req to Mach Conductors & Submit to Proc	5	16MAR11A	22MAR11A		0.00
1304-0740	Bid & Award Contract to Machine Conductors	107*	31MAR11A	30AUG11A		0.00
1304-0770	Prep Req for Cu-Cr-Zr TF Lead Extensions	10	16MAR11A	22MAR11A		0.00
1304-0780	Bid & Award TF Lead Extensions	107*	31MAR11A	30AUG11A		0.00
1304-0830	Prep Req for Friction Stir Welding	5	16MAR11A	22MAR11A		0.00
1304-0840	Bid & Award Friction Stir Welding	107*	31MAR11A	30AUG11A		0.00
1304-0930	Prep Req for Final Conductor Machining	5	16MAR11A	22MAR11A		0.00
1304-0940	Bid & Award Final Conductor Machining	107*	31MAR11A	30AUG11A		0.00
1304-0750	Machine TF Conductors (Cling Grooves, Lead Areas)	1	30SEP11A	30SEP11A		0.00
1304-0790	Fab & Del TF Lead Extensions	1*	30SEP11A	30SEP11A		0.00
1304-0759	AWARD TF MACHINING CONTRACT S011001-G	0	14SEP11*		91	0.00
1304-09490	Travel for inspection & QA	202	03OCT11*	24JUL12	2,380	15,480.00
1304-09491	Fixtures & Tooling -Designed & ordered	1	12OCT11*	12OCT11	90	64,500.00
1304-09492	Fixtures & Tooling -Complete	1	28NOV11*	28NOV11	60	80,625.00
1304-09493	Process Development	1	07DEC11*	07DEC11	53	43,215.00
1304-09494	Receipt of Purchased Material	1	08DEC11*	08DEC11	53	250,710.00
1304-0950A	Receive 1st Delivery of Final Machined TF Cond	1	01MAR12*	01MAR12	0	117,600.00
1304-09502	Receive 2nd Delivery of Final Machined TF Cond	1	02APR12*	02APR12	10	117,600.00
1304-09503	Receive 3rd Delivery of Final Machined TF Cond	1	02MAY12*	02MAY12	15	117,600.00
1304-09504	Receive 4th Delivery of Final Machined TF Cond	1	01JUN12*	01JUN12	21	117,600.00
1304-09505	Receive 5th Delivery of Final Machined TF Cond	1	03JUL12*	03JUL12	2,373	117,600.00
1304-0950B	Receive Balance of Final Machined TF Cond	1	02AUG12*	02AUG12	2,373	157,053.75



Job: 2490 - NTC Equipt Relocations-PERRY

Removals

2491000C	Fabricate Power Cart	5	10OCT11	14OCT11	130	0.00
2491000D	Field Power Shutdown	3	17OCT11*	19OCT11	130	0.00
24910019	BEGIN REMOVALS	0		19OCT11	130	0.00
24911700	Design 5 sections of Platform EI 118' W Side NTC	10	31AUG11	14SEP11	127	16,653.92
24911710	Prep procd 5 sections of Platform EI 118' W Side	3	15SEP11	19SEP11	127	3,797.04
24911720	Fab 5 sections of Platform EI 118' W Side NTC	20	20SEP11*	17OCT11	127	50,309.84
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	18OCT11	24OCT11	127	20,802.80
24910020	Remove rack 419 - UCLA Reflectometer	4	25OCT11	28OCT11	127	8,472.20
24910170	Remove rack 440 - SPRED and VIPS	8	31OCT11	09NOV11	127	14,639.60
24910220	Remove rack 441-445 - VV ion gages, RGA	15	10NOV11	02DEC11	127	31,761.16
24910270	Remove rack 447-448 - Fiber Optics	5	05DEC11	09DEC11	127	11,593.48
24910320	Remove rack 449 - Glow Discharge	10	12DEC11	23DEC11	127	21,677.32
24910370	Remove rack 456 -Xray Crystal Spectr	7	03JAN12	11JAN12	127	15,074.76
24910390	Remove rack 488 - Depositrn monitor/fast xray/NPA	7	12JAN12	20JAN12	127	15,074.76
24910440	Remove rack 489 - NPA	10	23JAN12	03FEB12	127	21,677.32
24910460	Remove rack - PSI Camera	2	06FEB12	07FEB12	127	4,990.92
24910510	Remove rack - Ultra Fast X-ray Camera	2	08FEB12	09FEB12	127	4,990.92
24910560	Remove rack - Transmission Grating Spectrometer	3	10FEB12	14FEB12	127	6,731.56
24910690	Moving equipment In & Out of NTC	6	15FEB12	22FEB12	2,487	13,205.12
24910710	Remove Bay J - Two gas injectors	1	15FEB12	15FEB12	127	1,869.64
24910760	Remove Bay J - Reflectomer	1	16FEB12	16FEB12	127	1,869.64
24910810	Remove Bay J - Bolometer	1	17FEB12	17FEB12	127	1,869.64
24910860	Remove Bay J - RF Prove	1	20FEB12	20FEB12	127	1,869.64
24910910	Remove Bay J - S-Flip	1	21FEB12	21FEB12	127	1,869.64
24910960	Remove Bay J - SSNPA	1	22FEB12	22FEB12	127	999.32
24911010	Remove Bay J - Re-entrant Window	1	23FEB12	23FEB12	127	999.32
24911060	Remove Bay K - High K Scattering	10	24FEB12	08MAR12	127	34,941.80
24911080	Remove Bay K - FireTips	5	09MAR12	15MAR12	127	17,535.40
24911100	Remove Bay K - PSI Camera	4	16MAR12	21MAR12	127	14,054.12
24911120	Remove Bay K - NPA	10	22MAR12	04APR12	127	34,941.80
24911140	Remove Bay K - Ultra Fast X-ray Camera	1	05APR12	05APR12	127	999.32
24911160	Remove Bay K - IR Window for Camera	1	06APR12	06APR12	127	999.32
24911210	Remove Bay K - Transmission Grating Spectrometer	1	09APR12	09APR12	127	999.32
24911260	Remove Bay Bay L pump duct-VV Ion Gages/Filament	2	10APR12	11APR12	127	3,610.28
24911310	Remove Bay Bay L pump duct--X-ray Crystal Spectr	1	12APR12	12APR12	127	2,739.96
24911330	Remove Bay L pump duct-SPRED	1	13APR12	13APR12	127	1,869.64
24911400	Remove Bay L pump duct-RGA	3	16APR12	18APR12	127	5,350.92
24911470	Remove Bay L pump duct - LOWEUS	3	19APR12	23APR12	127	1,869.64
24911640	Remove Bay L pump duct-MPTS Beam Dump Window	1	24APR12	24APR12	127	999.32
24911646	Remove Bay L pump duct-Pump Duct	1	25APR12	25APR12	127	16,944.40
24911830	Remove Misc. EQ. - Gas Delivery System	4	26APR12	01MAY12	127	17,976.40
24911850	Remove Misc. EQ - NW Sect 109' Platform	6	02MAY12	09MAY12	127	32,769.60
24911870	Remove Misc. EQ - Convenience Outlets	10	10MAY12	23MAY12	127	22,838.32



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	Budget	FY11			FY12			FY13							
							F	M	A	M	J	J	A	S	O	N	D	J		
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	5	24MAY12	31MAY12	127	14,044.48														
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	13	01JUN12	19JUN12	127	32,020.88														
24911930	Remove Misc. EQ-Glow Disch Splice Box/Disc	2	20JUN12	21JUN12	127	6,151.92														
24919999	NB REMOVALS COMPLETE (bays J,K,L)	0		05JUL12	118	0.00														
LOE																				
24910001	Test Cell Oversight during diag removals	179	17OCT11*	05JUL12	118	157,392.96														
Job: 8200 - Field Supervision & Oversight-PERRY																				
LOE																				
8200-0005A	Work Planning	62	03OCT11*	06JAN12	2,520	207,481.88														
Job: 8210 - CS & Coil Sprt Struct Instal - PERRY																				
Diag Catalogue & Rmvl Procedures																				
8200-0030A	Write Electrical CHERS Procedures	40	31OCT11*	04JAN12	2,522	9,664.48														
8200-0030B	Write Electrical MSE Bay B Procedures	40	31OCT11*	04JAN12	2,522	9,664.48														
8200-0030C	Write Electrical MSE-LIF Bay G Procedures	40	31OCT11	04JAN12	2,522	20,709.60														
8200-0030D	Write Fiber FIDA Procedures	40	31OCT11*	04JAN12	2,522	9,664.48														
8200-0030E	Write Electrical TF Coil Tie Wrap Procedures	40	31OCT11	04JAN12	2,522	6,903.20														
8200-0030F	Write Electrical General Procedures	40	31OCT11	04JAN12	2,522	27,612.80														
Removals (non NB related)																				
8200-0029C	Photogrammetry Coil & Vacuum Vessel	5	01MAR12*	07MAR12	2,477	6,939.60														
8200-0028B	Dsgn/Fab TF Coil Handling Fixture	20	03OCT11*	28OCT11	2,522	56,991.20														
8200-0028C	Dsgn/Fab Umbrella Handling Fixture	20	31OCT11	29NOV11	2,522	82,791.20														
8200-0028D	Fabricate Crates & Setup Areas for Storage	20	30NOV11	04JAN12	2,522	52,015.60														
8200-0029	Remove RF pipes	10	03OCT11*	14OCT11	198	87,032.00														
8200-0029A	Blow Out Hoses	1	17OCT11	17OCT11	198	1,633.28														
8200-0029B	Lower Hoses Relocate	3	18OCT11	20OCT11	198	11,349.84														
8200-0031	Pull Back Cable Safe, remove and store Elect	20	05JAN12	01FEB12	152	96,340.80														
8200-0032	Upper Tray remove and store Elect	10	02FEB12	15FEB12	152	48,170.40														
8200-0048	Umbrella Lid Remove existing	2	20OCT11	21OCT11	313	10,746.40														
8200-0048B	Remove Upper Flex Joints	5	24OCT11	28OCT11	428	12,249.60														
8200-0034	Remove and store Upper port eqpt	10	31OCT11	11NOV11	428	29,979.60														
8200-0034C	Remove and store lower port eqpt	10	14NOV11	29NOV11	428	28,369.20														
8200-0034A	Remove Lower Flex Joints	5	24OCT11	28OCT11	438	12,249.60														
8200-0043	Clear Bay G platform & area to remove bad TF	10	08MAR12*	21MAR12	400	40,832.00														
8200-0035	Remove section of platform	5	22MAR12	28MAR12	400	22,996.00														
8200-0044	Remove bad TF	3	29MAR12	02APR12	400	12,249.60														
8200-0044A	Upgrade Passive Plate Hardware	20	03APR12	30APR12	400	65,331.20														
8200-0044B	Replace LLD with Tiles	10	01MAY12	14MAY12	400	32,665.60														
8200-0034B	Lower Tray Remove & Store Elect	3	16FEB12	20FEB12	241	20,249.76														
8200-0033B	Perform Electrical MSE-LIF Bay G Procedures	5	21FEB12	27FEB12	241	11,756.80														
8200-0033C	Perform Fiber FIDA Procedures	7	28FEB12	07MAR12	241	16,459.52														
8200-0033A	Perform Electrical MSE Bay B Procedures	7	27FEB12	06MAR12	242	16,459.52														
8200-0034D	Perform Electrical CHERS Procedures	7	16FEB12	24FEB12	152	16,459.52														
8200-0033	Remove and store Midplane Mech	15	27FEB12	16MAR12	152	74,148.00														
8200-0036	Fiducialize Coil and Vacuum vessel	10	19MAR12	30MAR12	224	13,602.80														
8200-0039	Remove insulation	5	19MAR12	23MAR12	229	12,249.60														
8200-0040	Remove Gas Injection System	5	19MAR12	23MAR12	152	8,166.40														
Midplane Bay J																				
8200-J110	electrical Mark & Relocate Fibers	4	24FEB12	29FEB12	173	7,648.32														
8200-J120	TF Verify Datums & Remove turnbuckles	1	01MAR12	01MAR12	277	1,633.28														
8200-J130	PF5 U&L Remove existing midplane columns	1	02MAR12	02MAR12	277	1,633.28														
Midplane Bay K																				
8200-K110	electrical Mark & Relocate Fibers	4	10APR12	13APR12	145	7,648.32														
8200-K120	TF Verify Datums & Remove turnbuckles	1	16APR12	16APR12	245	1,633.28														
8200-K130	PF5 U&L Remove existing midplane columns	1	17APR12	17APR12	245	1,633.28														
Midplane Bay L																				
8200-L110	electrical Mark & Relocate Fibers	4	26APR12	01MAY12	137	7,648.32														
8200-L120	TF Verify Datums & Remove turnbuckles	1	02MAY12	02MAY12	137	1,633.28														
8200-L130	PF5 U&L Remove existing midplane columns	1	03MAY12	03MAY12	137	1,633.28														
Midplane Bay D																				
8200-D110	electrical Mark & Relocate Fibers	4	26MAR12	29MAR12	152	7,648.32														
8200-D120	TF Verify Datums & Remove turnbuckles	1	30MAR12	30MAR12	256	1,633.28														
8200-D130	PF5 U&L Remove existing midplane columns	1	02APR12	02APR12	256	1,633.28														
Midplane Bay E																				
8200-E110	electrical Mark & Relocate Fibers	4	30MAR12	04APR12	152	7,648.32														
8200-E120	TF Verify Datums & Remove turnbuckles	1	05APR12	05APR12	252	1,633.28														
8200-E130	PF5 U&L Remove existing midplane columns	1	06APR12	06APR12	252	1,633.28														
Midplane Bay F																				
8200-F110	electrical Mark & Relocate Fibers	4	05APR12	10APR12	152	7,648.32														
8200-F120	TF Verify Datums & Remove turnbuckles	1	11APR12	11APR12	152	1,633.28														
8200-F130	PF5 U&L Remove existing midplane columns	1	12APR12	12APR12	152	1,633.28														

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	Budget	FY11			FY12			FY13		
							F	M	A	M	J	J	A	S	O
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	03OCT11*	28OCT11	49	0.00									
1306-4020	Bid/Award SS Supp for PF1A/B	30	31OCT11	13DEC11	49	0.00									
1306-4030	Fab & Deliver SS Supp for PF1A/B	80	14DEC11	11APR12	49	138,483.20									
Job: 1307 - CS Casing Assembly -CHRZANOWSKI															
1307-2040	Spec/Requisition Inconel Bellows	20	01DEC11	05JAN12	143	0.00									
1307-2050	Bid/Award Inconel Bellows	30	06JAN12	16FEB12	143	0.00									
1307-2060	Fab & Deliver Inconel Bellows	60	17FEB12	10MAY12	143	45,150.00									
1307-2160	Spec/Requisition Weld Material	20	03JAN12*	30JAN12	191	0.00									
1307-2170	Bid/Award Weld Material	30	31JAN12	12MAR12	191	0.00									
1307-2180	Fab & Deliver Weld Material	60	13MAR12	05JUN12	191	7,830.64									
1307-2190	Spec/Requisition Misc M&S	20	03JAN12*	30JAN12	191	0.00									
1307-2200	Bid/Award Misc M&S	30	31JAN12	12MAR12	191	0.00									
1307-2210	Fab & deliver Misc M&S	60	13MAR12	05JUN12	191	9,211.28									
1307-2250	Spec/Requisition CB SS Structure	20	03OCT11*	28OCT11	69	0.00									
1307-2260	Bid/Award CB SS Structure	30	31OCT11	13DEC11	69	0.00									
1307-2270	Fab & Deliver CB SS Structure	60	14DEC11	14MAR12	69	58,050.00									
Job: 5000 - CSU Power Systems-RAKI															
531 - FCPC DC PF1 & TF Systems															
531-005	531- FCPC DC Systems procedures, specs, revision	208	04OCT11*	02AUG12	299	197,097.48									
Job: 8210 - CS & Coil Sprt Struct Instal - PERRY															
Diag Catalogue & Rmvl Procedures															
8200-0026	Perform bay by bay catalogue and label Elect	20	03OCT11*	28OCT11	152	20,439.60									
8200-0027	Perform bay by bay catalogue and label Mech	20	03OCT11*	28OCT11	2,522	16,567.68									
8200-0028	Write Mechanical General procedures	40	31OCT11*	04JAN12	2,522	27,758.40									
8200-0030	Write Electrical Cable Tray Removal/Instl Proc.	40	31OCT11*	04JAN12	152	62,128.80									

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	Budget	FY11			FY12			FY13						
							F	M	A	M	J	J	F	M	A	M	J	J	
Pre-CD-3 previously approved scope Nov 2010																			
Job: 2440 - 2nd NBI Beamline-DENAULT																			
Procure, Fab & Assembly																			
2440-0006	90 inch flange and neutralizer parts	65	29MAR12	28JUN12	6	1,290.00												41=1,000 ;	
Refurbishment																			
2440-0022	Refurbish 90 inch flange and neutralizer	50	19APR12	28JUN12	6	174,909.60												EE//SM =320 ; EE//TB 41=2,000 ;	

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	Budget	FY11			FY12			FY13															
							F	M	A	M	J	J	A	S	O	N	D	J	F	M	A							
Pre CD-3 previously approved scope Aug 2010																												
Job: 2420 - 2nd NBI Sources-CROPPER																												
Procure, Fab & Assembly																												
24200100	Prep Requisition and procurement package	5	01OCT12*	05OCT12	51	6,956.40																						
24200110	SUBMIT REQ TO PROCUREMENT	1	08OCT12	08OCT12	51	1,391.28																						
24200120	Procurement lead time (1)	15	09OCT12	29OCT12	51	0.00																						
24200130	AWARD	1	30OCT12	30OCT12	51	0.00																						
24200150	Fabricate or delivery	40	31OCT12	07JAN13	51	87,120.00																						
24200160	Refurbish Source A	90	08JAN13	13MAY13	51	297,592.00																						
24200170	Refurbish Source B	70	14MAY13	22AUG13	51	297,592.00																						
24200180	Refurbish Source C	80	23AUG13	17DEC13	51	304,392.76																						
Job: 2440 - 2nd NBI Beamline-DENAULT																												
Procure, Fab & Assembly																												
2440-0004	Ion Dump parts	50	31AUG11	09NOV11	13	2,553.60																						
2440-0003	Calorimeter parts	50	31AUG11	09NOV11	13	1,276.80																						
2440-0011	Calorimeter TC wiring	50	31AUG11	09NOV11	13	43,657.03																						
Refurbishment																												
2440-0017A	Radiation Supplies (M&S) (LOE)	478*	01NOV10A	28SEP12	102	318,906.90																						
2440-0030	Refurbish Calorimeter	49	13SEP11*	18NOV11	6	267,518.92																						

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	Total Float	Budget	FY11			FY12			FY13							
							F	M	A	M	J	J	A	S	O	N	D	J	F	M
Pre-CD-3 previously approved scope Oct 2010																				
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI																				
Manufacture Inner TF Conductor																				
1304-0460	Generate SOW for TF Conductor	20*	01OCT10A	28OCT10A		0.00														
1304-0480	Prep Req for TF Conductor & Submit to Proc	25*	01OCT10A	29OCT10A		0.00														
1304-0500	Bid & Award TF Conductor-Copper Extrusions	30*	01DEC10A	19JAN11A		0.00														
1304-0600	Manufacture TF Conductor-Copper Extrusions (56)	157*	20JAN11A	30JUL11A		304,920.00														
Job: 2440 - 2nd NBI Beamline-DENAULT																				
Procure, Fab & Assembly																				
2440-0012	Ion Dump TC wiring	50	31AUG11	09NOV11	13	37,273.03														
Refurbishment																				
2440-0017B	Test Cell Maintenance (LOE)	500*	01NOV10A	30OCT12	80	131,251.04														
2440-0028	Refurbish Ion Dump	284	07FEB11A	18NOV11	6	273,208.31														