ID I	Task Name	Duration	Start	Finish	Predecessors	Constraint	WB\$	Resource Names
1346	FORWARD PRESHOWER FABRICATION	218.6 w	4/4/96	9/1/00		As Soon As	·	
1347	Conceptual Design	21 w	4/4/96	8/30/96		Start No Earl		PhysU114,PhysF114
1348	M3-Forward Preshower TDR Submitted	0 w	2/2/98	2/2/98		Start No Ear		
1349	Engineering Design	69 w	9/3/96	1/30/98	1347	As Soon As F		MEU114[0.1],DesU114[0.7]
1350	Design Complete	0 w	1/30/98	1/30/98	1349	As Soon As		
1351	Detector R&D	28 w	10/29/96		1349SS+8 w	As Soon As F		MTU114,PhysU114[1.5]
1352	Prototype Beam Test	13 w	6/2/97	9/2/97		As Soon As F		MTF114,PhysU114[3]
1353	PREPARE FIBERS/CONNECTORS	157.4 w	6/26/97	9/1/00		As Soon As		. ,
1354	Procure Fibers	22 w	6/26/97	12/2/97			1.1.4.4.1,1.1.4.6.1	k\$[2.18],k\$c[0.2]
1355	Cut/Sort/Polish WLS Fibers	7.4 w	6/23/98		1376SS		1.1.4.4.7(0.3)	MTF114[0.5],k\$[0.02]
1356	Aluminize WLS Fiber Ends	6.4 w	7/8/98		1355SS+2 w	As Soon As F		MTF114[0.5],k\$[0.03]
1357	Test Prepared WLS Fibers	4 w	7/24/98		1356FS-4 w	As Soon As F		MTF114[0.5]
1358	Procure Connectors - (both detector ends) (UIC MOU)	0.2 w	9/16/97	9/16/97			1.1.4.4.4,1.1.4.6.2	k\$[0.28],k\$c[0.06]
1359	Manufacture Connectors (both detector ends)	45 w	3/2/98	1/29/99			1.1.4.4.6(0.5)	PhysU114[0.5],ETU114[0.5],k\$[0.05],k\$c[0.01]
1360	Assemble/Polish Connectors (Wavelength shifter side)	52 w	2/15/99		1357FS-2 w,1359FS+2 w		1.1.4.4.7(0.2)	MTF114[0.5],k\$[0.01]
1361	Begin Connector Assembly - WLS Side	0 w	2/15/99		1360SS	As Soon As	(**=)	
1362	Connector Assemblies Complete - WLS Side	0 w	3/3/00	3/3/00		As Soon As		
1363	Manufacture Connectors (VLPC end)	4 w	1/7/00		122FS-4 w		1.1.4.6.3,1.1.4.4.6(0.5),1.1.4.6.6	ETU114[0.5],k\$[0.13],k\$c[0.03]
1364	Fabricate Clear Fiber Bundles	9 w	6/30/00	9/1/00				MTU114,MTF114,k\$[0.53],k\$c[0.11]
1365	Clear Fiber Bundles Complete	0 w	9/1/00	9/1/00	1364	As Soon As		2,,
1366	PREPARE SCINTILLATOR	89.6 w	8/6/97	6/2/99		As Soon As		
1367	Procure Extrusions FY97	4 w	8/6/97	9/3/97			1.1.4.2.2,1.1.4.2.5(0.3)	k\$[0.15]
1368	Procure Extrusions FY98	24.4 w	3/2/98	8/20/98			1.1.4.2.1,1.1.4.2.3,1.1.4.2.4,1.1.	
1369	Scintillator Procurement Complete	0 w	8/20/98	8/20/98	1368	As Soon As		1[o.o],
1370	Inspect/Test Scintillator	2 w	8/21/98	9/3/98		As Soon As F		MTF114
1371	Wrap Scintillator	38 w	8/21/98	6/2/99		As Soon As F		MTF114[0.25],k\$[0.04],k\$c[0.01]
1372	MODULE ASSEMBLY	84.6 w	7/10/98	4/1/00	1000	As Soon As	1.1.4.0	1111 114[0.20], (φ[0.04], (φ[0.01]
1373	Procure Materials	6 w	7/10/98		1368FS-6 w		1.1.4.5.3-1.1.4.5.5	k\$[0.13],k\$c[0.03]
1374	Fab Assembly/Align Fixt	8 w	7/24/98		1368FS-4 w		1.1.4.5.1,1.1.4.5.6	MTU114[0.5],k\$[0.3],k\$c[0.06]
1375	Fab Storage Containers	8 w	8/21/98	10/16/98		As Soon As F		MTU114[0.3]
1376	Prepare Components	9 w	8/21/98	10/23/98		As Soon As I		MTU114[0.5]
1377	Fabricate Modules	49.4 w	10/26/98	10/26/99		As Soon As F		MTU114[1.5],k\$[0.07],k\$c[0.01]
1378	M2-Forward Preshower Module Fabrication Begun	0 w	11/4/98		1371SS+20 %,1377SS	As Soon As		
1379	1st Module Complete	0 w	11/24/98		1378SS+3 w	As Soon As		
1380	Cable Modules	52 w	3/1/99		1361SS+2 w,1379	As Soon As F		MTU114[0.5]
1381	Install Calibration System	52 w	3/8/99		1380SS.1387SS+1 w	As Soon As F		MTU114[0.3]
1382	Inspect/Test Modules	52 w	3/15/99		1381SS+1 w	As Soon As F		MTU114[0.3]
1383	M3-Forward Preshower Modules 50% Complete	0 w	9/20/99		1382SS+70 %	As Soon As		in c i i i [o.o]
1384	Module Fabrication and Testing Complete	0 w	4/1/00	4/1/00		As Soon As		
1385	Calibration System	81 w	5/4/98	12/17/99	1002	As Soon As		
1386	R&D	40 w	5/4/98	2/26/99	1349	Start No Earl	1.1.4.8(0.3)	MTU114[0.5],k\$[0.13],k\$c[0.01]
1387	Fabricate Production Parts	41 w	3/1/99	12/17/99		As Soon As F	,	MTU114[0.5],k\$[0.29],k\$c[0.03]
1388	Calibration System Ready	0 w	12/17/99	12/17/99		As Soon As		[],+[],
1389	DETECTOR ASSEMBLY	94.2 w	5/18/98	4/17/00		As Soon As		
1390	Fabricate Support Components	20 w	5/18/98	10/7/98			1.1.4.9.1,1.1.4.9.2,1.1.4.9.6-1.1.	k\$[0.7],k\$c[0.11]
1391	Prepare Components	4 w	5/18/98		1390SS	As Soon As I		MTU114[0.5]
1392	Fabricate Lead Absorber	24 w	9/13/99	3/14/00		Start No Earl		MTU114[0.25]
1393	Assemble Support Structures	33 w	7/19/99		1391SS+14 w	As Soon As F		MTU114[0.5]
1394	Insert Modules in Supports-South	1 w	2/18/00		1382SS+85 %,1392SS+85 %,13			MTU114[0.2]
1395	Inspect/Align Modules/Detectors-South	1 w	2/18/00		1394SS	As Soon As F		MTU114[0.3],PhysU114[0.3]
1396	M3-1st Forward Preshower Detector Complete	0 w	2/24/00	2/24/00		As Soon As		- F15 Agent (Fere)
1397	Ship First Detector to FNAL	1 w	4/11/00		1396.1401SS		1.1.4.9.3-1.1.4.9.5	MTU114[0.5],k\$[0.18],k\$c[0.03]
1398	Insert Modules in Supports-North	0.2 w	4/3/00		1382,1392,1393	As Soon As F		- [1/-4[]]
1399	Inspect/Align Modules/Detectors-North	0.2 w	4/3/00		1398SS	As Soon As F		
1400	M3-2nd Forward Preshower Detector Complete	0 W	4/3/00	4/3/00		As Soon As		
1401	Ship Second Detector to FNAL	1 w	4/11/00		1400FS+1 w	As Soon As F		MTU114[0.5]
1402	Install FPS-South	1.4 w	4/18/00	4/26/00		As Soon As F		MTF114[2],PhysU114[2],Welder Day,Crane Day[0.1],ICR Sout
1403	M3-Forward Preshower-South Installed	0 w	4/26/00	4/26/00		As Soon As		[], , ,
1404	Install FPS-North	0.4 w	4/27/00		1401.1402	As Soon As I		MTF114[2],PhysU114[2],Welder Day,Crane Day[0.1],ICR North
1405	Hookup FPS-North	3 w	8/28/00		1364SS+50 %,1404,2150	As Soon As F		MTF114[2],PhysU114[2],ICR_North,Platform[0.5]
1406	Hookup FPS-South	3 w	10/5/00		1405,1364,2135,1017	As Soon As F		MTF114[2],PhysU114[2],ICR South,Platform[0.5]
1407	Commission FPS	18 w	9/19/00	1/30/01		As Soon As F		PhysU114[2],ICR_North[0.1],ICR_South[0.1],Platform[0.1]
1701			3, 10,00	1,00,01		555 710 1		, _[-] ,