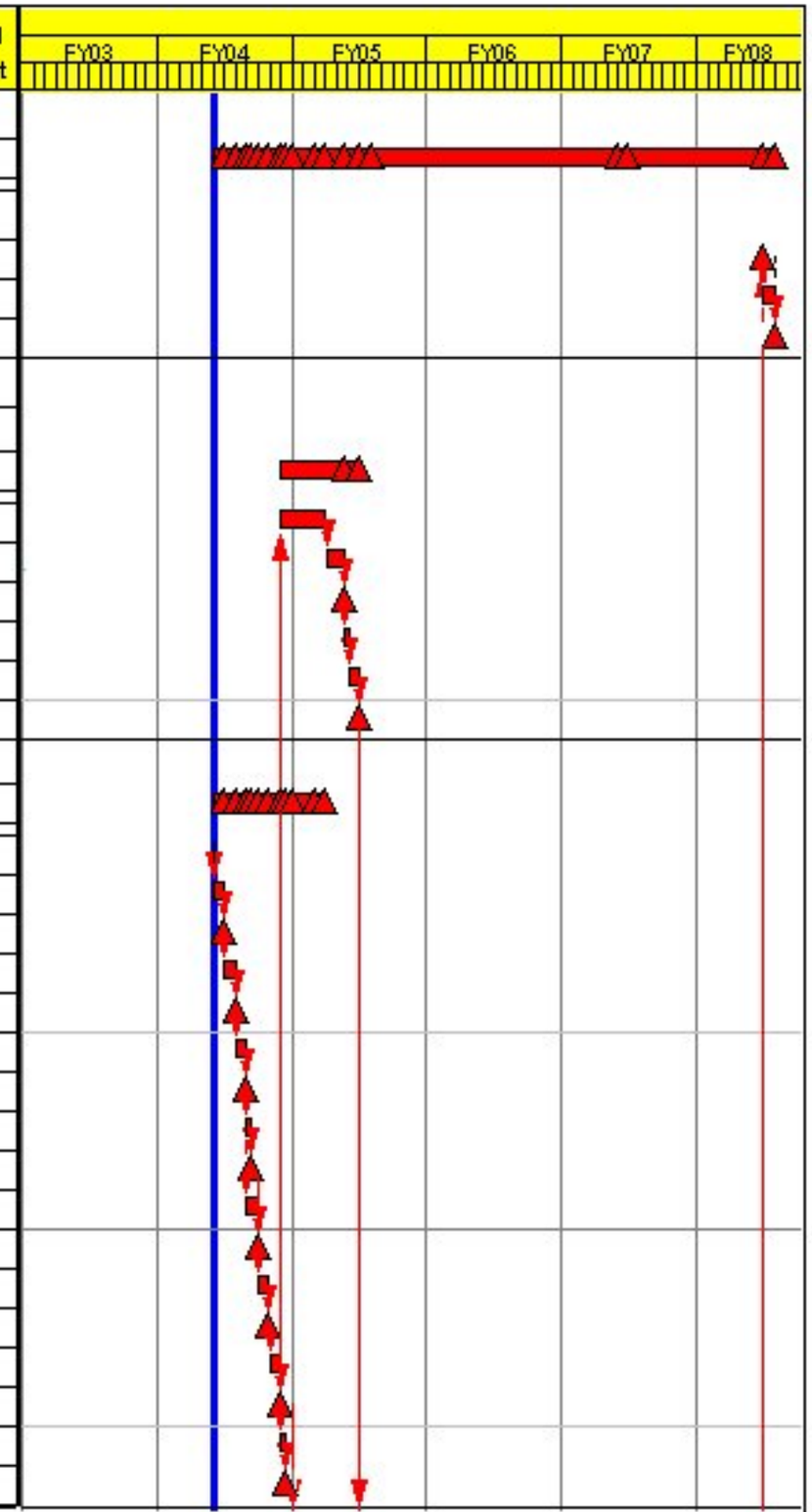
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float
1 CENTER FOR FUNCTIONAL NANOMATERIALS (CFN)					
Subtotal		1,047	01MAR04	30APR08	0
1. 0 CENTER FOR FUNCTIONAL NANOMATERIALS (CFN)					
10000059	Technical Equipment Installation Complete	0		31MAR08	0
10000065	ESAAB/Preparation for ESAAB for CD-4b	22	01APR08	30APR08	0
10000069	CD-4b APPROVAL-Start of Full Operations	0		30APR08	0
1. 1 PROJECT SUPPORT					
1. 1.1 Project Management					
Subtotal		145	01SEP04	31MAR05	0
11001300	Develop RFQ docs. & get CH/HQ Approval	83	01SEP04	31DEC04	0
11001305	Construction Bidding Period	34	03JAN05	18FEB05	0
11001310	Receive Proposals	0		18FEB05	0
11001315	Bid Evaluation & Selection	9	22FEB05	04MAR05	0
11001320	DOE Review of Proposed Contract Award	18	07MAR05	30MAR05	0
11001325	Award Construction Contract	0		31MAR05	0
1. 1.2 Project Engineering					
Subtotal		212	01MAR04	31DEC04	0
11001150	Kick-off Title II Design	2	01MAR04	02MAR04	0
11001155	HDR Contract Documents Preparation	21	03MAR04	31MAR04	0
11001160	HDR Title II Progress Review	0		31MAR04	0
11001165	HDR Contract Documents Preparation (Cont.)	22	01APR04	30APR04	0
11001170	HDR Title II Progress Review	0		30APR04	0
11001175	HDR Contract Documents Preparation (Cont.)	20	03MAY04	28MAY04	0
11001180	HDR Submit 60% Title II Design	0		28MAY04	0
11001185	BNL Review 60% Title II Design	9	01JUN04	11JUN04	0
11001195	BNL Provide Review Comments to HDR	0		14JUN04	0
11001200	HDR Contract Documents Preparation (Cont.)	22	01JUN04	30JUN04	0
11001205	HDR Title II Progress Review	0		30JUN04	0
11001210	HDR Contract Documents Preparation (Cont.)	20	01JUL04	30JUL04	0
11001215	HDR Title II Progress Review	0		30JUL04	0
11001220	HDR Contract Documents Preparation (Cont.)	22	02AUG04	31AUG04	0
11001225	HDR Submit 100% Title II Design	0		31AUG04	0
11001230	BNL Review 100% Title II Design	7	01SEP04	10SEP04	0
11001233	BNL Provide Review Comment to HDR	0		13SEP04	0



Start Date 27MAR02
Finish Date 30APR08
Data Date 01MAR04
Run Date 15JUN04 11:23
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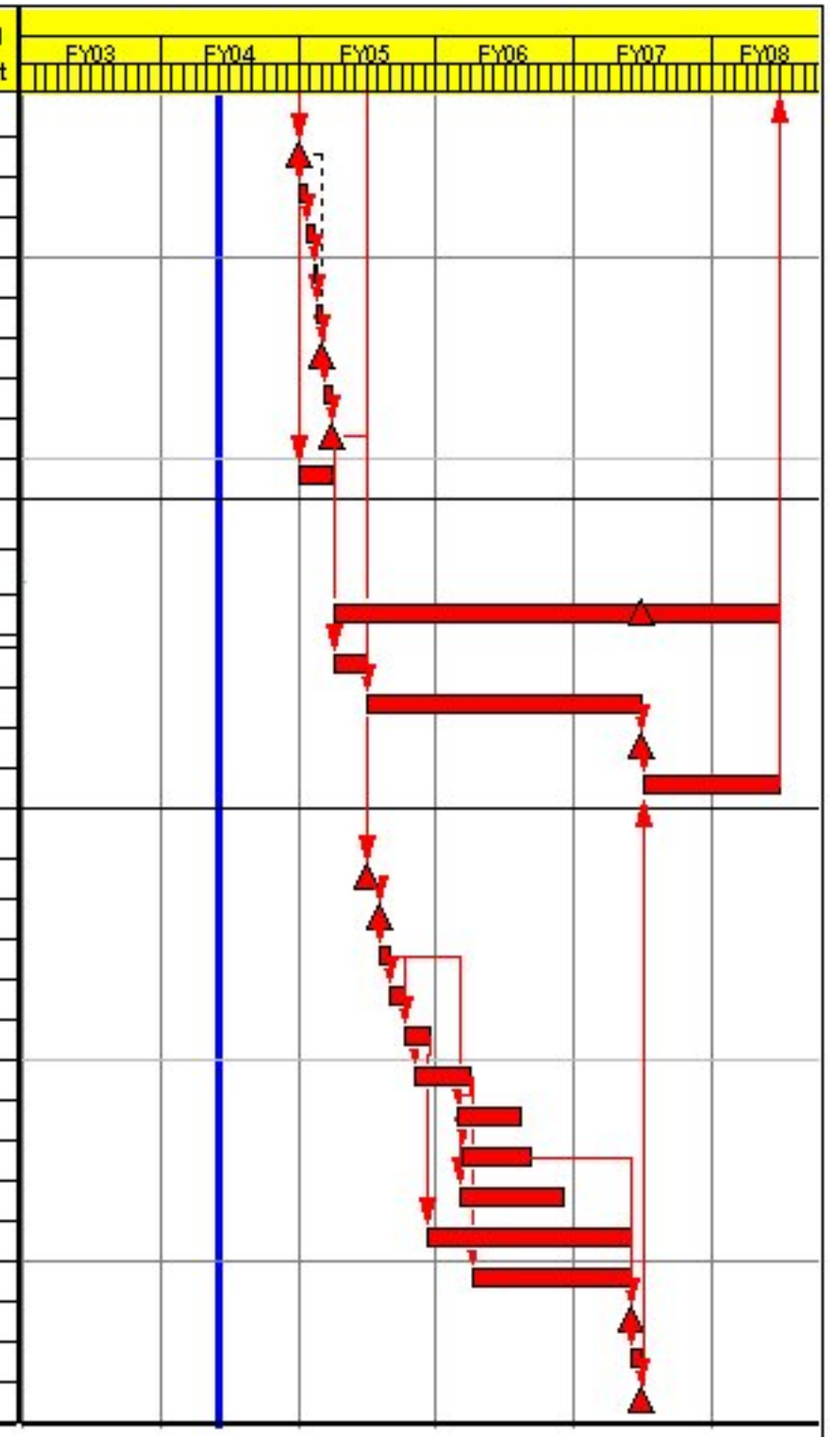
Early Bar
Progress Bar
Critical Activity

CF18 Sheet 1 of 2

Brookhaven National Laboratory
CENTER for FUNCTIONAL NANOMATERIALS
[C F N] Critical Path

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float
1. 1.2 Project Engineering					
11001235	HDR Submit Final 100% Title II Design	0		30SEP04	0
11001240	BNL Prepare Package for IPR Team to Review	16	01OCT04	22OCT04	0
11001245	IPR Team Reviews Document	14	25OCT04	12NOV04	0
11001255	On-Site IPR Review	4	15NOV04	18NOV04	0
11001260	IPR Draft and Final Report	9	19NOV04	03DEC04	0
11001265	HDR Submit Title II Construction Bid Documents	0		03DEC04	0
11001270	ESAAB Review Mtg/Briefing & Supporting Material	19	06DEC04	31DEC04	0
11001275	CD-3 Approval	0		31DEC04	0
11001435	Design/Prepare Specs for EM Equipment	62	01OCT04	31DEC04	0
1. 2 Technical Equipment					
1. 2. 3 Electron Microscopy [E M]					
Subtotal		813	03JAN05	31MAR08	0
1200020	FY05 Procurement of STEM	62	03JAN05	31MAR05	0
1200025	Assembly of STEM at Factory and Ship	500	01APR05	30MAR07	0
1200030	Delivery of STEM	0		30MAR07	0
1200035	Installation & Testing of STEM	251	02APR07	31MAR08	0
1. 3 Conventional Construction					
13000053	CONSTRUCTION CONTRACT AWARD	0		31MAR05	0
13000054	CONSTRUCTION - NOTICE TO PROCEED	0		02MAY05	0
13000070	Mobilize	20	03MAY05	31MAY05	0
13000072	Site Work	28	01JUN05	12JUL05	0
13000075	Sub structure	45	13JUL05	14SEP05	0
13000080	Super Structure	100	08AUG05	30DEC05	0
13000085	Exterior Closure	116	28NOV05	11MAY06	0
13000090	Roofing	126	12DEC05	09JUN06	0
13000135	Fire Protection	189	05DEC05	01SEP06	0
13000140	H.V.A.C.	369	07SEP05	28FEB07	0
13000145	Electrical/Life Safety/Telecomm	288	04JAN06	28FEB07	0
13000165	Substantial Completion (ORE)	0		28FEB07	0
13000185	Contractor Completes final Punchlist Items	22	01MAR07	30MAR07	0
13000195	Construction Complete	0		30MAR07	0



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Early Bar
Progress Bar
Critical Activity

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CENTER for FUNCTIONAL NANOMATERIALS
[C F N] Critical Path