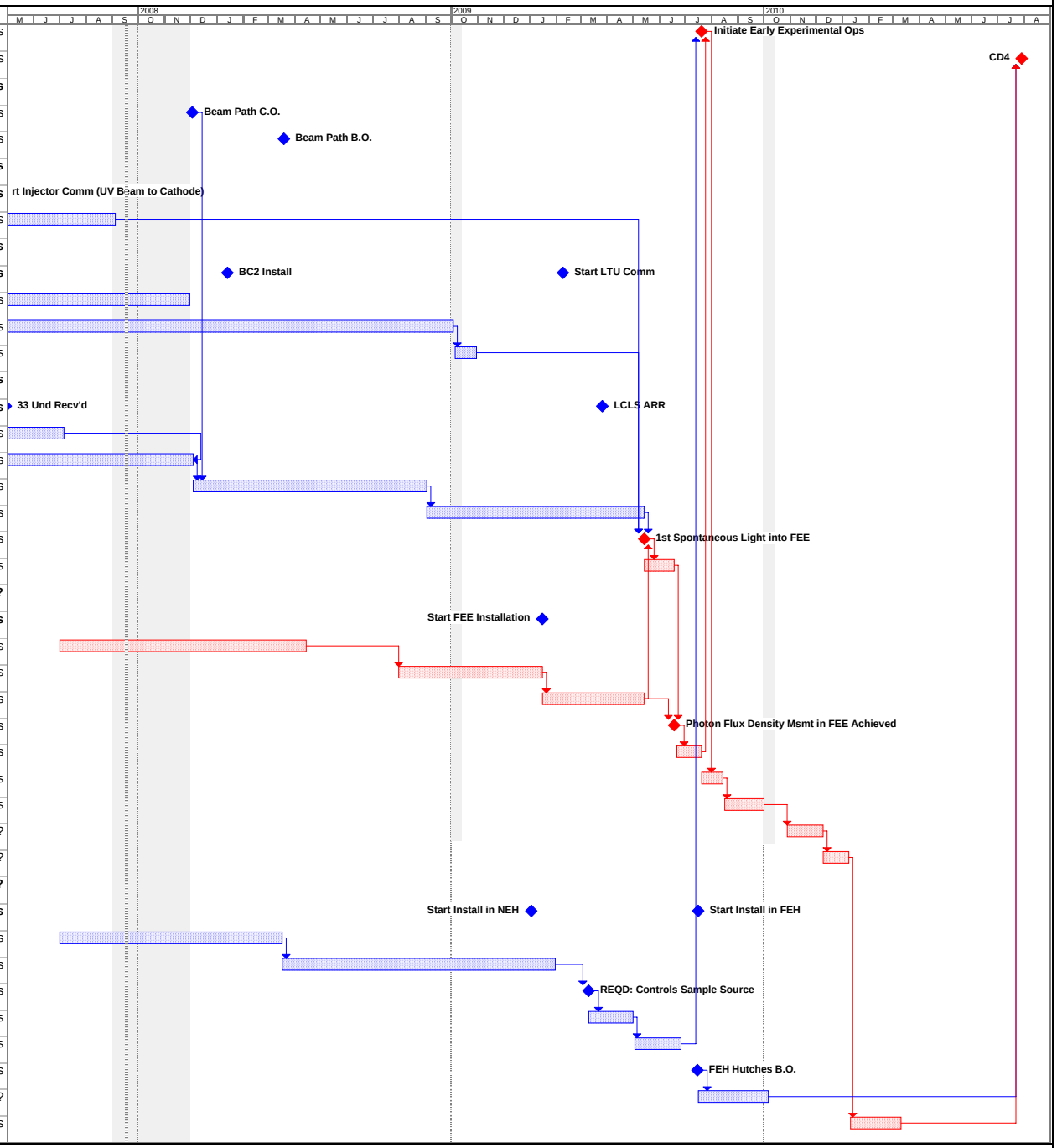
Linac Coherent Light Source Project

ID	Task Name	Start	Finish	Total Slack
1	**Initiate Early Experimental Operations**	7/20/09	7/20/09	101 days
2	**Critical Decision 4**	7/30/10	7/30/10	0 days
3	**Conventional Facilities (Title 3)**	**12/4/07**	**3/20/08**	**101 days**
4	Beam Path C.O.	12/4/07	12/4/07	101 days
5	Beam Path B.O.	3/20/08	3/20/08	616 days
6	**Injector**	**4/5/07**	**9/4/07**	**544 days**
7	**Injector Major Milestones**	**4/5/07**	**4/5/07**	**865 days**
9	Injector Commissioning	4/6/07	9/4/07	543 days
10	**Linac**	**7/1/05**	**2/9/09**	**384 days**
11	**Linac Major Milestones**	**4/10/06**	**2/9/09**	**384 days**
16	Design/Procure	7/1/05	11/30/07	694 days
17	Installation	9/29/06	10/3/08	241 days
18	Commission	10/6/08	10/30/08	241 days
19	**Undulator**	**10/4/04**	**6/18/09**	**208 days**
20	**Undulator Major Milestones**	**3/23/05**	**3/27/09**	**349 days**
26	Undulator Design/Procure	10/4/04	7/6/07	208 days
27	Testing at MMF	10/27/06	12/4/07	101 days
28	Installation	12/5/07	9/2/08	101 days
29	Pre-Photon Undulator Commissioning	9/3/08	5/14/09	101 days
30	1st Spontaneous Light into FEE	5/14/09	5/14/09	101 days
31	Commission Undulators	5/15/09	6/18/09	101 days
32	**X-Ray Transport & Diagnostics**	**7/2/07**	**1/8/10**	**144 days?**
33	**X-Ray Transport & Diagnostics Major Milestones**	**1/16/09**	**1/16/09**	**400 days**
35	Design Popup Cameras	7/2/07	4/14/08	179 days
36	Procure, Integrate & Test Popup Cameras	8/1/08	1/15/09	101 days
37	FEE System Installation and Checkout	1/16/09	5/14/09	101 days
38	Photon Flux Density Msmt in FEE Achieved	6/19/09	6/19/09	101 days
39	Commission X-Ray Mirrors	6/22/09	7/20/09	101 days
40	X-Ray User Operations	7/21/09	8/14/09	101 days
41	FEL Optimization	8/17/09	10/1/09	101 days
42	LCLS Turn on/Commissioning	10/29/09	12/9/09	101 days?
43	Commission Hard X-Rays through FEH	12/10/09	1/8/10	101 days?
44	**X-Ray End Stations**	**7/2/07**	**10/6/09**	**144 days?**
45	**X-Ray End Stations Major Milestones**	**1/2/09**	**7/17/09**	**270 days**
48	Design Refocus Optics	7/2/07	3/17/08	144 days
49	Design/Procure Gas Jet System	3/18/08	1/30/09	144 days
50	REQD: Controls Sample Source	3/10/09	3/10/09	117 days
51	Assemble/Test Sample Source	3/11/09	5/1/09	117 days
52	Install AMO Experiment - Phase 1	5/4/09	6/26/09	117 days
53	FEH Hutches B.O.	7/16/09	7/16/09	213 days
54	TUN/FEH Installation/Checkout	7/17/09	10/6/09	212 days?
55	**DOE Preparation for FPD**	1/11/10	3/10/10	101 days