U.S. ATLAS M&O Estimate
WBS Profile Estimates

Funding Source: All **Funding Type:** Research Program 2/2/2004 10:53:17 AM

Institutions All **Estimate in Fixed FY'04 $k** **Labor/Material:** Both

WBS Number	Description	FY 03 (k$)	FY 04 (k$)	FY 05 (k$)	FY 06 (k$)	FY 07 (k$)	FY 08 (k$)	FY 09 (k$)	FY 10 (k$)	FY 11 (k$)	FY 12 (k$)
3	U.S. ATLAS M&O Estimate	0	1058	1620	1473	813	895	862	780	780	780
3.5	Muon - Endcap	0	1058	1620	1473	813	895	862	780	780	780
3.5.1	MDT Pre-Operations, Operations and	0	702	1034	943	397	190	190	190	190	190
3.5.1.1	MDT Pre-operations	0	702	1034	943	304	0	0	0	0	0
3.5.1.2	MDT Operations (Beam On)	0	0	0	0	92	116	116	116	116	116
3.5.1.3	MDT Maintenance (Beam Off)	0	0	0	0	0	67	67	67	67	67
3.5.1.4	MDT Spares - Mechanical and	0	0	0	0	0	7	7	7	7	7
3.5.2	CSC Pre-Operations, Operations and	0	58	330	172	160	126	82	82	82	82
3.5.2.1	CSC Pre-operations	0	58	330	165	78	0	0	0	0	0
3.5.2.2	CSC Operations (Beam On)	0	0	0	0	75	38	38	38	38	38
3.5.2.3	CSC Maintenance (Beam Off)	0	0	0	0	0	69	24	24	24	24
3.5.2.4	CSC Spares - Mechanical and	0	0	0	7	7	19	19	19	19	19
3.5.3	Alignment System Pre-Operations,	0	8	161	228	76	86	86	86	86	86
3.5.3.1	Alignment System Pre-operations	0	8	161	228	76	0	0	0	0	0
3.5.3.2	Alignment System Operation	0	0	0	0	0	19	19	19	19	19
3.5.3.3	Alignment System Maintenance	0	0	0	0	0	67	67	67	67	67
3.5.4	Muon Endcap Common Costs	0	91	95	130	181	367	378	295	295	295
3.5.4.1	Engineering Coordination of	0	0	0	0	0	0	0	0	0	0
3.5.4.2	Muon Endcap Common Cost	0	91	95	130	181	367	378	295	295	295
3.5.5	Monitoring & Calibration	0	200	0	0	0	126	126	126	126	126
3.5.5.1	Monitoring and Calibration Beam	0	0	0	0	0	126	126	126	126	126
3.5.5.2	Muon Test Beams	0	200	0	0	0	0	0	0	0	0