

### CDF Run Iib Change Request

Title: Revised costs for the CDF Run Iib Calorimeter subproject		
WBS: 1.2		
Affected Items: WBS 1.2.1 and 1.2.2		
Originator: Doug Benjamin	Email: dbenjamin@fnal.gov	Phone: 630-840-8432
<b>CCB DISPOSITION</b>	<b>DATE</b>	<b>Approval:</b>
Accepted • Rejected • Forward to Director •		CDF PM _____ Date _____
Chairperson:		ADR _____ Date _____
		DOE PM _____ Date _____
<b>Summary:</b>		
<p>With the completion of the Run Iib Calorimeter Subproject, a revaluation of the final costs was performed based on the money spent to date. This has resulted in a increase in the final cost of the project to \$467,908. The increase of \$54,837 required the use of management reserve funds..</p>		
<b>Technical Part I:</b>		
Additional optical fibers were purchased and associated hardware (WBS 1.2.1.5).		
<b>Part II: Schedule</b>		
None		
<b>Part III: Cost</b>		
The total cost of DOE equipment funds needed for the Calorimeter subproject increases by \$54,837. The details of the cost increase are contained in Appendix A.		
<b>Part IV: Work Breakdown Structure (WBS) &amp; Dictionary</b>		None
<b>Part V: ES&amp;H Impact</b>		None
<b>Part VI: Labor</b>		
Additional labor at FNAL and Michigan State was added to the CPR subproject to ensure its timely completion during the previous accelerator shutdown. This labor increase was reflected in additional costs outlined in WBS 1.2.1.6 and 1.2.1.8.		

**Appendix A: Changes in cost (\$AY) to the Calorimeter subproject.**

This table describes the changes in the DOE equipment cost for WBS 1.2. These costs are fully burdened and in actual year dollars.

	Costs (AY\$)		Change to Baseline
	Baseline	Revised	(AY\$)
<b>1.2.1 Central Preshower and Crack Detectors</b>			
<b>1.2.1.5 Procure parts</b>	\$143,680	\$166,988	\$23,308
<b>1.2.1.6 Preshower Detector Assembly</b>	\$175,066	\$219,239	\$44,173
<b>1.2.1.7 Crack Detector Assembly</b>	\$28,889	\$25,846	(\$3,043)
<b>1.2.1.8 Fiber Bundle Assembly</b>	\$29,805	\$32,431	\$2,626
<b>1.2.2 Electromagnetic timing</b>			
<b>1.2.2.2 Purchase parts for components and Produce</b>	\$35,630	\$23,403	(\$12,227)
<b>Totals</b>	<b>\$413,070</b>	<b>\$467,908</b>	<b>\$54,837</b>

