

**NCSX June 2007 ETC  
TABLE I - DESIGN LABOR**

**WBS Number: 15**  
**WBS Title: Coil Support Structures**  
**Job Number: 1501**  
**Job Title: Coil Support Structures Design**  
**Job Manager: Fred Dahlgren**

**Description:**

*Title I and II Engineering for PF Coils and Title III Support of Fabrication Effort.*

Task ID	FY07\$K					HOURS															Basis of Estimate					
	41MS	48MS	37STK	35TRVL	31OT	ORNL EIM	ORNL DSN	EMEM	EMSM	EMSB	EMTB	EAEM	EAEM Dsr	EASB	EEEM	EESM	EESB	EETB	ECEM	ECSB		ECTB	RM2	RM3		
<b>TITLE I AND TITLE II DESIGN COMPLETED</b>																										
2 Requirements definition																										COMPLETED
3 Preliminary Re-Design																										COMPLETED
4 Preliminary Stress Analysis												70														Analysis approximately 80% - about 70 hours remaining
5 Preliminary CAD models and drawings													160													About 50% complete
6 PDR Preparation												10	10													
7 PDR												4	4													
8 Final design																										
9 Detail CAD drawings,BOM												20	320													
10 Integrated Stress Analysis												240														
11 FDR Preparation												10	5													
12 FDR												4	4													
13 Resolve chits												20	20													
14 Update C.S. Support Design												20	40													
15 Peer Review Updated C.S. Design												4	4													
16 Resolve Chits from FDR												20	8													
17 Prepare RFQ & SOW												24														
18 rebaseline exercise												40														
<b>Subtotal Title I &amp; II Design</b>												<b>486</b>	<b>575</b>													
<b>TITLE III</b>																										
Vendor Oversight, Inspection												40														
Disposition of deviation requests and non-conformances												20														
Coordination of Procurement Actions												15														
<b>Subtotal Title III Design</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

Notes and Worksheets