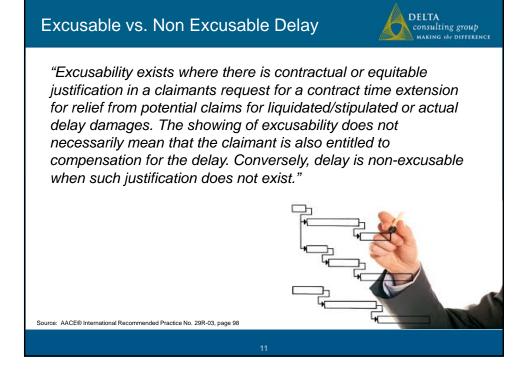
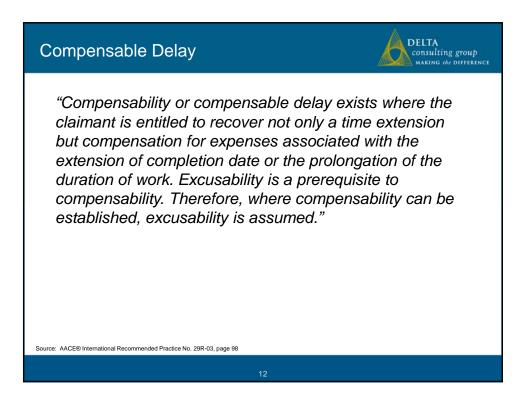


	Tupes of	Delay						
Types of Delay								
Contractor	<u>Non Excusable</u> <u>I</u>	Excusable Not Compensable	<u>Compensable</u> le					
Relief from Liquidated Damages	No	Yes	Yes					
Additional Time	No	Yes	Yes					
Additional Cost	No	No	Yes					
<u>Owner</u>								
Liquidated Damages	Yes	No	No					
Extend Project Duration	No	Yes	Yes					
DELTA consulting group	10							





Excusable and Compensable Delay (ECD)

"Each incremental delay along the as-built critical path should be independently quantified and the cause of the delay identified. The net Excusable & Compensable Delay (ECD) is the sum of the individual delays that: 1) were the responsibility of the owner, and 2) delayed the completion date of the project, and 3) were not concurrent with delays which were the responsibility of the contractor or *force majeure* events."



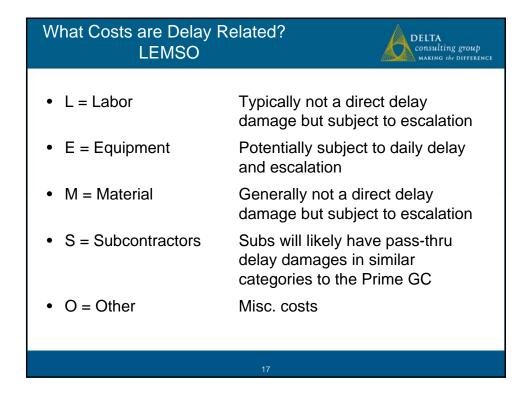
DELTA consulting group

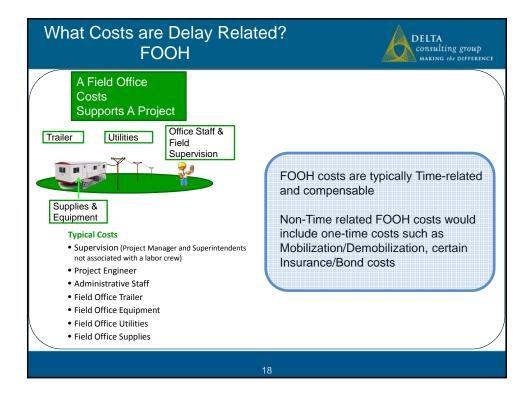
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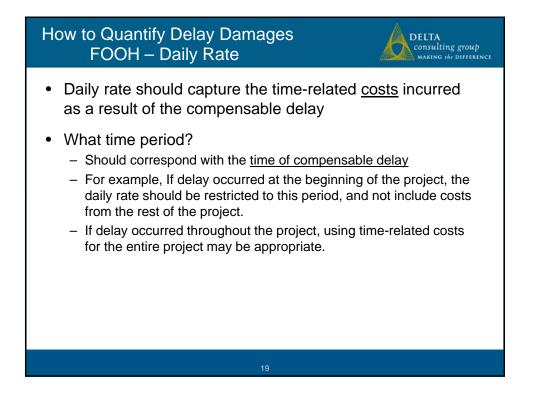
Source: AACE® International Recommended Practice No. 29R-03, page 43

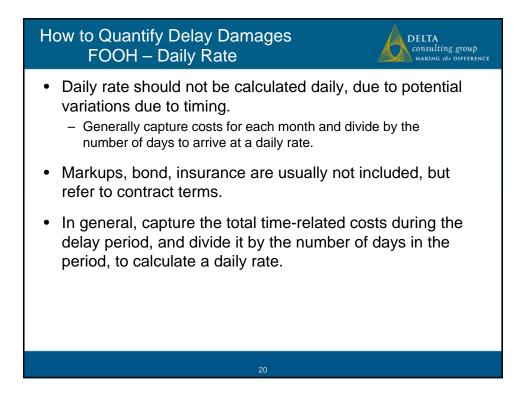
Typical Cost Catego	DELTA consulting group MAKING the DIFFERENCE		
"Sticks & Bricks" <u>"LEMSO"</u> Labor Equipment Material Subcontract Other	On-Site expenses <u>"FOOH"</u> Management Supervision Safety "Field" Office	Off-Site expenses <u>"HOOH"</u> Executives Marketing Accounting "Home" office	
	15		

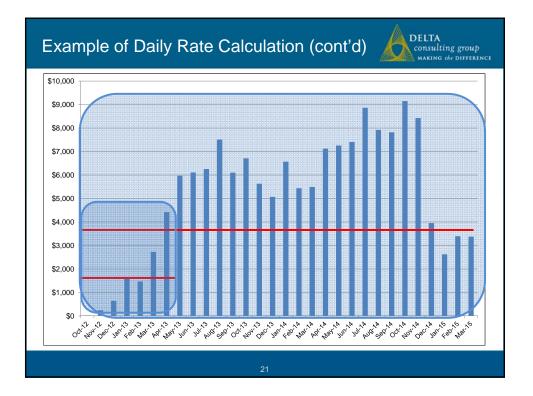
Cost Categories – In	consistent Termir	DELTA consulting group MAKING <i>the</i> DIFFERENCE		
Direct Costs	Direct Costs Indirect Costs Field Indirect Costs General Conditions	Indirect Costs Home Office costs General & Administrative		
"Sticks & Bricks" "LEMSO"	On-site expenses "FOOH"	Off-Site expenses "HOOH"		
Labor Equipment	Management Supervision	Executives Marketing		
Material	Safety	Accounting		
Subcontract Other	"Field" Office	"Home" office		
	16			



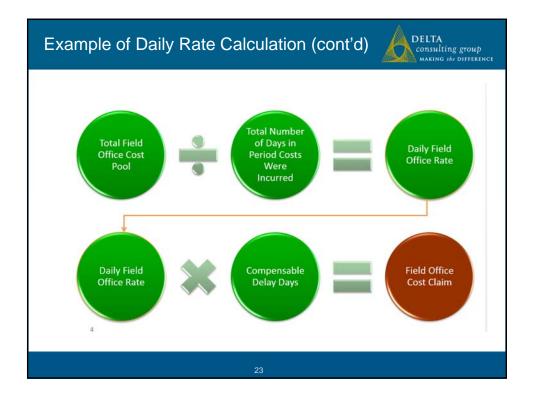


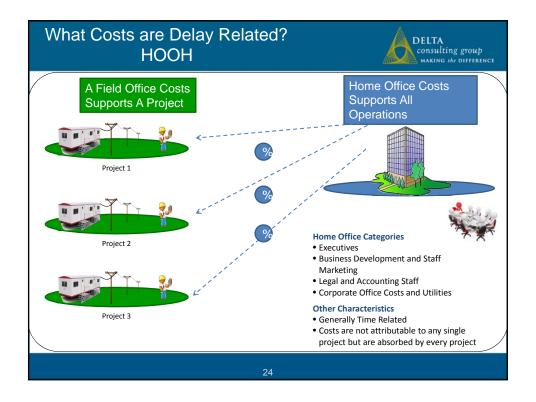


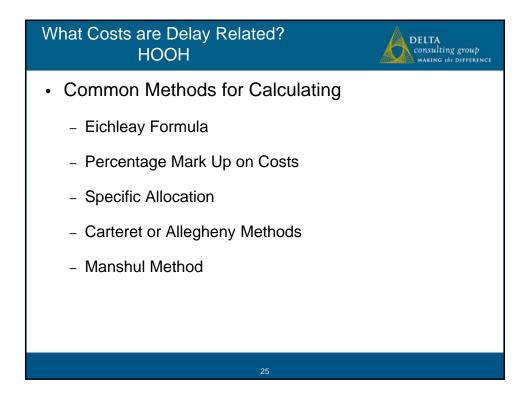


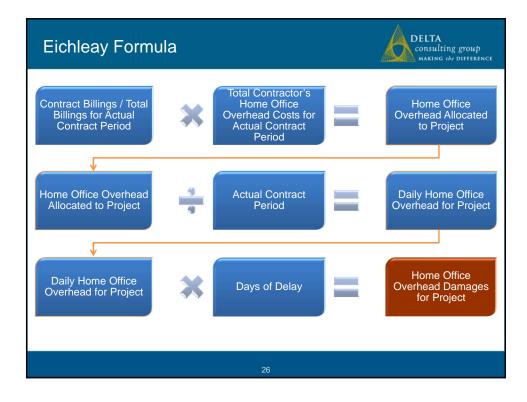


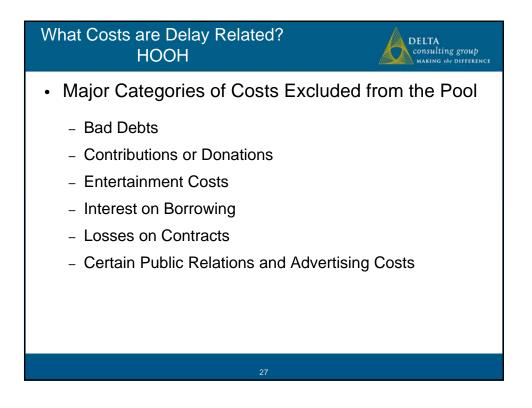
Example of Dai	ly Rate	Calcula	ation (cont'd)	DELTA consulting group making the difference
Month	a Time Related <u>Costs</u>	<i>b</i> =5.774% <i>x</i> a Bond, Liab. Ins. Gen Excise Tax <u>5.774%</u>	с Days per <u>Month</u>	<i>d=(a+b)/c</i> Time Related <u>Daily Rate</u>	e Daily Crane Labor, Mat. <u>& Equip</u>
Oct-12	\$652	\$38	31	\$22	
Nov-12	6,902	399	30	243	
Dec-12	18,994	1,097	31	648	
Jan-13	48,335	2,791	31	1,649	
Feb-13	38,873	2,245	28	1,468	
Mar-13	79,903	4,614	31	2,726	\$1,395
Apr-13	125,362	7,238	30	4,420	1,395
May-13	174,984	10,104	31	5,971	1,395
Jun-13	173,255	10,004	30	6,109	1,395
Jul-13	183,333	10,586	31	6,255	1,395
Aug-13	220,120	12,710	31	7,511	1,395
Sep-13	173,082	9,994	30	6,103	1,395
Oct-13	196,627	11,353	31	6,709	1,395
Nov-13	159,675	9,220	30	5,630	1,395
Dec-13	148,548	8,577	31	5,069	1,395
Jan-14	192,531	11,117	31	6,569	1,395
Feb-14	143,968	8,313	28	5,439	1,395
Mar-14	161.003	9,296	31	5,494	1,395
Apr-14	202,037	11,666	30	7,123	1,395
May-14	212,719	12,282	31	7,258	1,395
Jun-14	210,061	12,129	30	7,406	
Jul-14	259.714	14,996	31	8,862	
Aug-14	232,135	13,403	31	7,921	
Sep-14	221,750	12,804	30	7,818	
Oct-14	268,124	15,481	31	9,149	
Nov-14	238,948	13,797	30	8,425	
Dec-14	115,839	6.689	31	3.953	
Jan-15	76,936	4,442	31	2,625	
Feb-15	89,907	5,191	28	3,396	
Mar-15	98,998	5,716	31	3,378	
		22			

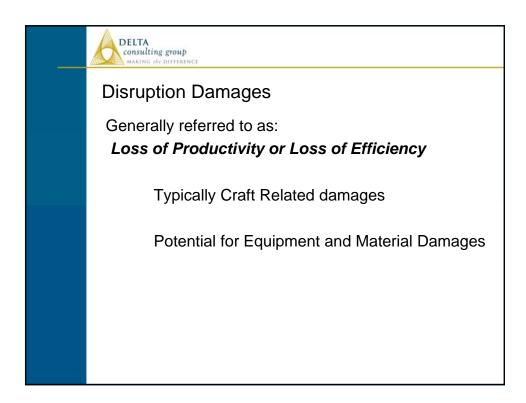






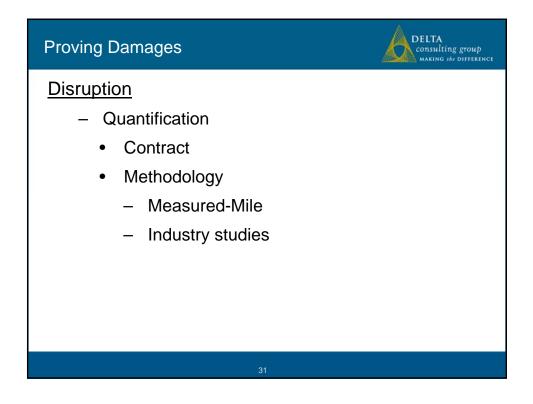


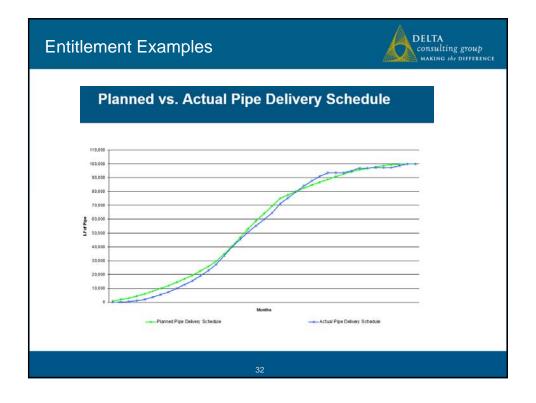


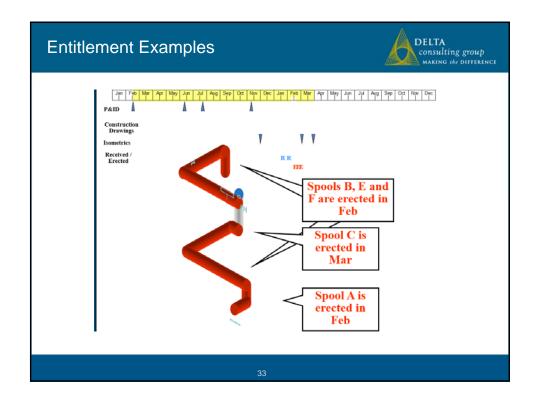


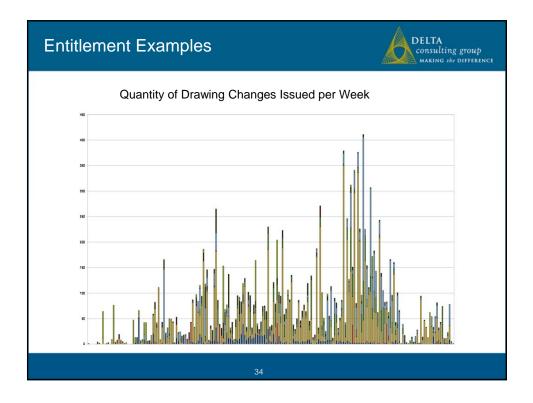


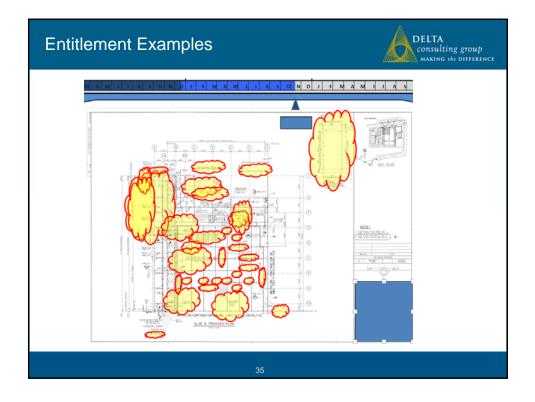
Proving Damages	DELTA consulting group MAKING the DIFFERENCE
 Disruption Entitlement Contract Allowable Notice provisions Analysis Research Presentation of findings 	
30	

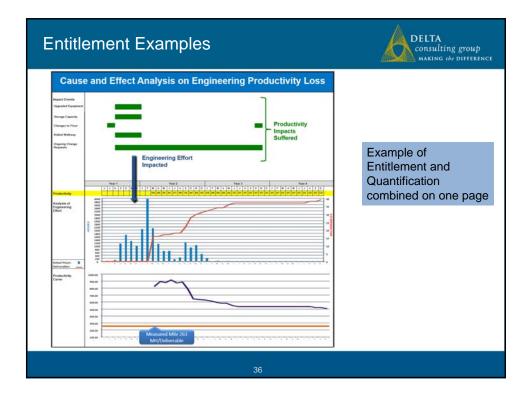


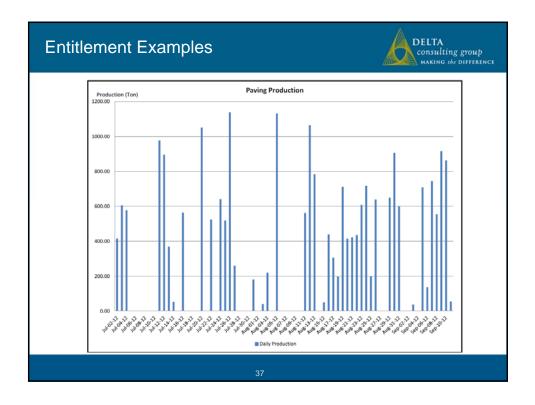


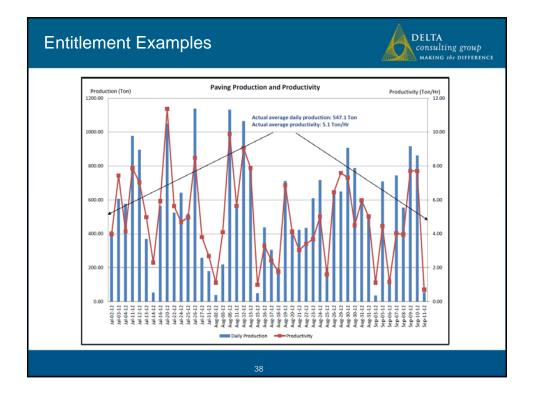




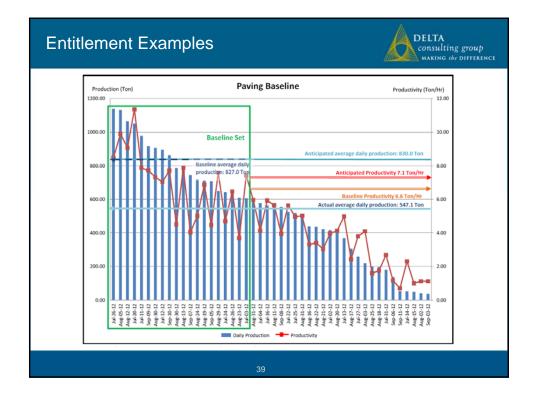


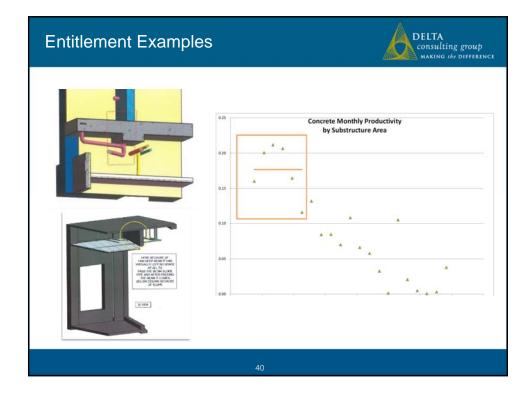


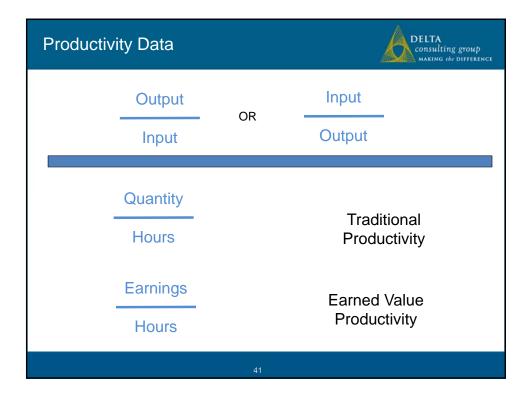


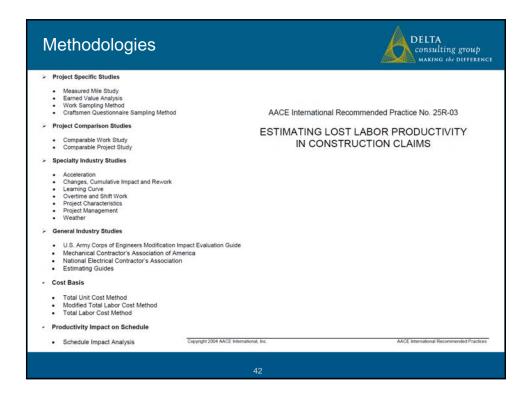


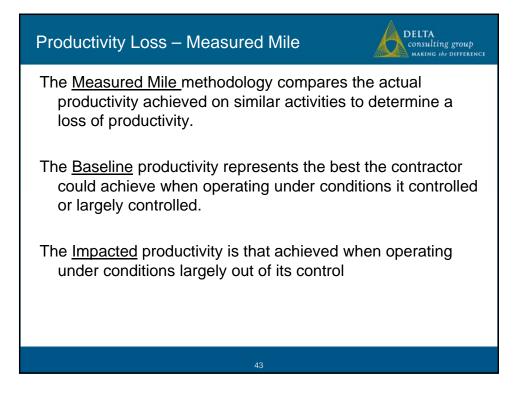
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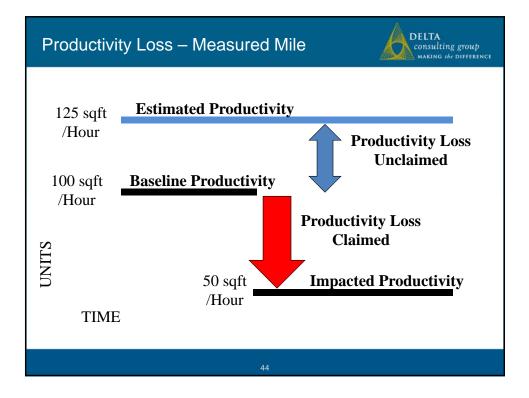


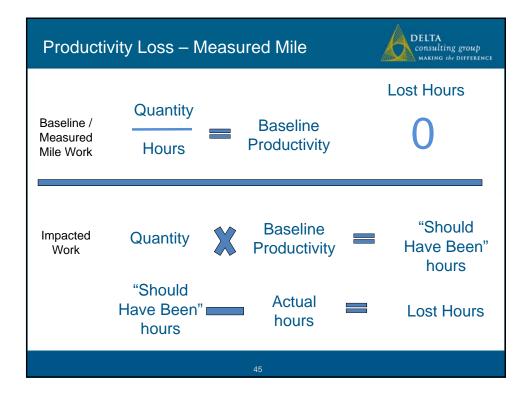


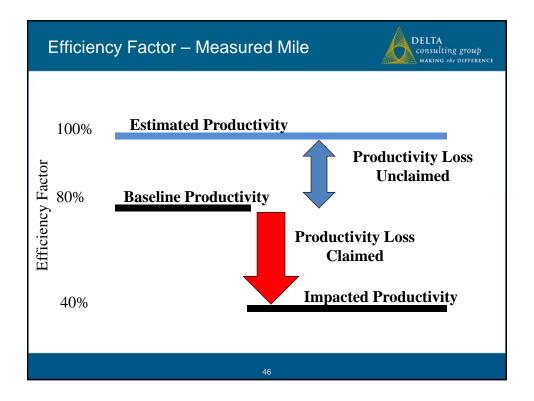












Productivity Analys Earned Value Analy										
Location	Planned Qty	Planned Hrs	Planned Productivity	Actual Qty	Actual Hrs	Actual Productivity	Efficiency Factor	Baseline Productivity	Baseline Hrs	Lost Hrs
Substructure					388,941 296,448 306,879 659					
	83,556	81,090	1.030	80,856	992,927	0.081	12.654	4.633	363,550	629,377
Superstructure	6,493 9,872 8,152 12,842	33,030 9,540 8,440 12,690	0.197 1.035 0.966 1.012	8,378 8,100 8,429 12,083	197,454 247,318 137,711 222,635	0.042 0.033 0.061 0.054	4.633 31.595 15.780 18.647	4.633	197,454 36,266 40,431 55,316	- 211,052 97,280 167,319
Total		144,790			1,798,045				693.017	1,105,028
				Total Actual Hrs					centage of Loss Other hours in Other Hours	61% 301,400 185,232
								Total Lost F	ormwork Hours	1,290,260

