





l	ACCT #	ITEM & DESCRIPTION	KEY QTY'S	MANHOURS	LABOR \$	MATERIAL \$	SUB CONT \$	TOTAL \$	TAR MH
	0X-XXX	EXCAVATION AND CIVIL WORK	2,647 CY	3,329	256,401	94,928	218,093	569,422	
	1X-XXX	CONCRETE	130 CY	1,296	95,442	37,221		132,663	
	2X-XXX	STRUCTURAL STEEL	52 TN	4,399	365,157	138,427		503,584	1,997
	3X-XXX	ARCHITECTURAL	SF						
	4X-XXX	MECHANICAL EQUIPMENT	1 EA	4,890	427,346	4,984,301		5,411,647	824
	5X-XXX	PIPING	4,167 LF	19,250	1,634,344	1,003,634		2,637,978	11,513
	6X-XXX	ELECTRICAL	8,745 LF	4,873	390,052	246,072		636,124	758
	7X-XXX	INSTRUMENTATION	78 EA	2,384	204,742	359,050		563,792	1,315
	8X-XXX	PROTECTIVE COATINGS	1 LOT	9,302	756,717	379,250		1,135,968	3,589
		DIRECT FIELD COSTS (DFC)		49,723	4,130,202	7,242,883	218,093	11,591,178	19,996
	90-610	FIELD STAFF	29%		1,199,052			1,199,052	
	90-620	GENERAL CONSTRUCTION EQ	17%		702,781			702,781	
	90-630	TEMPORARY FACILITIES	5%		206,510			206,510	
	90-730	FREIGHT	2%			126,915		126,915	
	92-165	OVERTIME PREMIUM			405,218			405,218	
	92-200	SCAFFOLD	22%	11,042	1,089,584		110,416	1,200,000	
	93-100	HEAVY HAUL / HEAVY LIFT					3,000,000	3,000,000	
	95-110	CRANE RENTAL (50TN OR LARGER)	10%				413,020	413,020	
	95-120	SPARE PARTS (WAREHOUSE)							
		INDIRECT FIELD COSTS (IFC)		11,042	3,603,145	126,915	3,523,436	7,253,496	
		TOTAL FIELD COSTS (TFC)		60,764	7,733,347	7,369,798	3,741,529	18,844,674	
	96-320	ENGINEERING LABOR, FEL3	2%		537,000			537,000	(% of TPC)
	96-330	ENGINEERING LABOR, DETAIL DESIGN	12%		3,500,000			3,500,000	(% of TPC)





D	Activity Name	OD	RD	Start	Finish	Dur %				2015			
							March 02 09 16 23 30 0	April Ve 1 1 2 1 20 1 2	May	June	July 20 00 12 20 27	August	September
rudo Towor F	Replacement Project (15006)	110	76	18-Mar-15A	18-Aug-15	30,91%	02 09 16 23 30 0	10 13 20 2	2 04 11 10 20	01 06 15 22	28 00 13 20 21	V 18-Aug-15	Crude Tower Heplace
	teplacement Project (15000)		70									18-Aug-15	FEL-9
FEL-3		110	76		18-Aug-15								1
General		110	76	18-Mar-15A	18-Aug-15	30.91%						18-Aug-15	General
FEL_3-3010	Commence FEL-3	0	0	18-Mar-15 A		100%	nence FEL-3 🔹 🔥 18-Mar-15 A,	L,					
FEL_3-2215	FEL-3 Front End Engineering (Indirects)	110	76	18-Mar-15 A	18-Aug-15		ig (Indirects)				<b>NN ( 177</b>	18-Aug-15	
FEL_3-2225	FEL-3 Front End Engineering (Directs)	77	45	18-Mar-15 A	06-Jul-15	\$1.56%					06-Jul-15		
FEL_3-3745	Engineering Kick Off Meeting	0	0	18-Mar-15 A		100%	Off Meeting 💲 18-Mar-15A,						
FEL_3-3840	CH2M Receive Jacobs FEL 2 Deliverables	0	0		15- Apr- 15 A		H2M Receive Jacobs FEL 2 Deliverable						
FEL_3-3945	Issue RFQ For Bids - Crude Tower 1C-1	0	0		22- Apr- 15 A	100%	Issue RFQ For Bids - Crude To						
FEL_3-3130	P&ID Review Meeting with P66	0	0		28- Apr- 15 A	100%		Meeting with P66 💈					
FEL_3-3970	P66 Confirm CH2M to Develop Crude Twr Internals Data Sheet	0	0		13-May-15A	100%	P66 Confirm CH2M to Develop C		V . (				
FEL_3-3140	Preliminary Model Review Meeting with P66 - Crude Twr 1C-1	0	0		19-May-15	0%			rude Twr 1 C-1 🏅 19-May-1				
FEL_3-4175	Issue PO for Heavy Haul & Lift CM Services	0	0		19-May-15	0%			ft CM Services 💲 19-May-1				
FEL_3-4045	Preliminary Model Review Meeting with P66 - HVGO Piping	0	0		02-Jun-15*	0%	Prelimina		ting with P66 - HVGO Piping				
FEL_3-3145	Constructability Review Meeting with P66	0	0		04-Jun-15*	0%			ability Review Meeting with P66	····¥			
FEL_3-3950	Issue RFQ For Bids - Crude Tower 1C-1 Internals	0	0		05-Jun-15	0%		Issue RFQ For B	ds - Crude Tower 1C-1 Interna				
FEL_3-3900	Issue P&ID's for PHA Review	0	0		19-Jun-15	0%				or PHA Review 👌 19-Jun-1			
FEL_3-3290	P66 Reviewed Docs & Prepared to Facilitate PHA	0	0	22-Jun-15*		0%		F	66 Reviewed Docs & Prepared				
FEL_3-3160	Complete PHA	0	0		23-Jun-15	0%				Complete PHA 💲 23-Ji	in-15		
FEL_3-3170	Complete all Info & Eng'g Budgets to Estimating	0	0		06-Jul-15	0%			Complete all Infe	& Eng'g Budgets to Estimating	g 🗴 06-Jul-15		
FEL_3-3960	Issue PO - Crude Tower 1C-1	0	0		06-Jul-15	0%				Issue PO - Crude Tower 10	-1 🕇 06-Jul-15		
FEL_3-4170	Start Detail Design	0	0		07-Jul-15	0%					ign 💲 07-Jul-15	_	
FEL_3-3955	Issue PO - Crude Tower 1C-1 Internals	0	0		03-Aug-15	0%				Issue PC	- Crude Tower 1C-1 Internals		
FEL_3-4160	P66 - TIC Estimate Review	0	0		12-Aug-15	0%						Review 💲 12-Aug-15	
FEL_3-3755	Issue FEL3 Check List (Pier Review)	0	0		17-Aug-15	0%						Pier Review) 🎖 17-Aug-15	
FEL_3-3280	Issue FEL3 Package to P66	0	0		18-Aug-15	0%					Issue FEL3 P 06-Jul-15, Process	adkage to P66 💲 18-Aug-15	
Process		77	45	18-Mar-15A	06-Jul-15	\$1.56%					06-Jul-15		
FEL_3-3351	FEL3 Process Admin	77	45	18-Mar-15 A	06-Jul-15	\$1.56%	poessAdmin				06-JUE 15		
FEL_3-3356	Review Exist Drwgs & Jacobs FEL-2 Deliverables	20	0	19-Mar-15 A		100%							
FEL_3-3360	Prepare Crude Tower 1C-1 Data Sheet	10	0	30-Mar-15 A		100%				Process Hydraulics			
FEL_3-3370	Process Hydraulics	20	20	22-Apr-15 A	· ·	0%				Process Hydraulics			
FEL_3-4035	Update & Revise Crude Tower 1C-1 Data Sheets & Numbers	3	0		01-May-15A	100%		_		P&ID's Review Comments & F			
FEL_3-3380	P&ID's Review Comments & Redlines	20	20	29-Apr-15 A		0%		•		Crude Tower 1C-1 Internals			
FEL_3-3375	Review Crude Tower 1C-1 Internals Data Sheet for Req	7	7	14-May-15	22-May-15	0%			neview				
FEL_3-3385	PHA Prep, Incorp Comments & Resolve any Issues	25	25	22-May-15	26-Jun-15	0%					A Prep, Incorp Comments & F mplete P&ID's Redlines & Line		
FEL_3-3650	Complete P&ID's Redlines & Line List	20	20	01-Jun-15	26-Jun-15	0%					Finalize P&ID's Docs fo		
FEL_3-3620	Finalize P&ID's Docs for IFD	5	5	29-Jun-15	06-Jul-15	0%				-		r IFD	
FEL_3-3610	Process Complete FEL3 Docs	0	0		06-Jul-15	0%				Process Complete FEL3 Do	as 💲 06-Jul-15 🛡 01-Jul-15, Civil / Structural		
Civil / Structure		75	43	18-Mar-15A	01-Jul-15	42.67%							
FEL_3-3329	FEL3 Civil/Struct Admin	75	43	18-Mar-15 A	01-Jul-15	\$2.67%	Struct Admin				01-Jul-15		
FEL_3-3330	Piping/ Civil Confirm Site Plan with latest Survey/Geotech/Pothole infi	37	6	19-Mar-15 A	08-May-15	33.78%			Mping/ CMI Confirm	Site Plan with latest Survey/Ge			
FEL_3-3815	U/G Investigation & Prepare Drwgs	69	38	19-Mar-15 A	24-Jun-15	14.93%					Investigation & Prepare Drwg		
FEL_3-3105	Prepare 3D Model for GA Crude Twr Fdns & Crane/Equipt Pads	46	20	26-Mar-15 A	29-May-15	6.52%					de Twr Fdns & Crane/Equipt P		
FEL_3-3810	Prepare Fdns Pile Plans & Struct Conc Plans/Sects	36	35	21-Apr-15 A	19-Jun-15	2.78%					dns Pile Plans & Struct Conc I		
FEL_3-4125	Heavy Crane Lift Constr Services Coordination (CCA 20-001)	4	30	01-May-15 A	12-Jun-15	0%					Constr Services Coordination		
FEL_3-3335	Pipe Rack Steel Additions & Drwgs	37	37	04-May-15*	24-Jun-15	0%				Pipe	Hack Steel Additions & Drwgs		
FEL_3-4145	Geotech - Borehole Drilled @ Crude Twr new location	0	0		07-May-15A	100%	Geotech - Borehole Drilled @	Crude Twr new loca	tion 🗙 07-May-15A		Complete Civil Deves FOM		











#### An Open Mind is a Good Place to Start

Keep your eyes and mind open, take advantage of opportunities, and embrace new responsibilities. Don't be narrow minded in your career, don't be

### "The Unemployable"

"I am graduating with a degree in mechanical engineering with an emphasis on bio-cyclical systems looking to become a leading engineer developing genetic bio-motors utilizing green energy from seaweed photosynthesis"

Instead get that first job, embrace it, learn from it, but don't think that it will be what you are doing for the rest of your career, because the possibilities are instead, endless, and road you'll travel, exciting.





#### **Stay Humble**

*"I am always learning and working at the margin of my ignorance"* Harvey Golub, Former CEO of American Express

- Look for and lean on experienced mentors, use them to bounce off decisions and to back you up when you are challenged.
- Know that you don't know, even if you think you know ("the margin of my ignorance").

*"To know that you do not know is the best. To pretend to know when you do not know is a disease."* Lao-Tzu

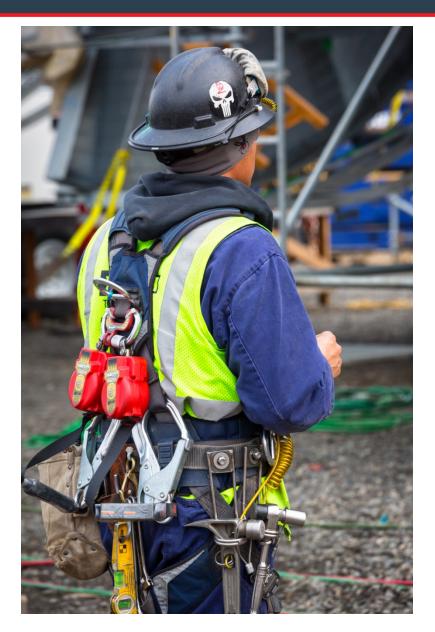
Strike the words "I know..." from your vocabulary. There will be those that desire to teach you but will not teach if you don't have a <u>teachable</u> spirit. You will need to have humility which sometimes doesn't feel very good.





## **Be Patient**

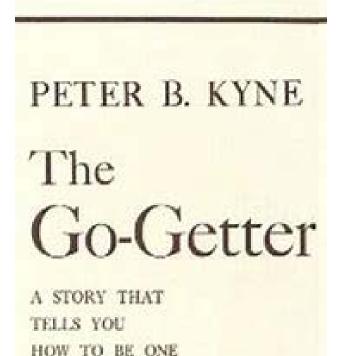
- Building experience and credibility takes time and hard work.
- Promotions will come but must be earned by doing the best job you can at the job you are given plus demonstrating a willingness to do more.
- Resolve to be the best at the job you are given and the rewards will come.







- Have initiative (Be a "Go-Getter")
  - Don't wait for work to come to you. Go get it.
  - If you need something from someone else to get your job done, get up and go get it.
  - If you see something that needs to be done, either do it, or make sure someone does it.
  - Communicate person to person. Don't rely on email or chat etc. Pick up the phone, get up off your duff and go talk to the other person.







# **Tell the Truth**

- Talk Straight, Use Simple Language, Call things what they are.
- Demonstrate Integrity, Don't distort facts or leave false impressions

*"whoever is careless with the truth in small matters cannot be trusted with important matters"* Albert Einstein

*"I look for three things in hiring people. The first is personal integrity, the second is intelligence, and the third is a high energy level. But, if you don't have the first, the other two will kill you."* Warren Buffett





Finally, Learn how to work with people, all kinds of people, because you will have to work with people, all kinds of people.

