. Message

Gray, Jeff

-	
From:	Workman, William B II
Sent:	Friday, October 20, 2006 9:59 AM
То:	Gray, Jeff
Cc:	Pruitt, Terry L; Bagwell, J Robert
Subject:	RE: KIF Ash Pond Alt Feed
Attachmente.	TVA Kingston Ammonia Bid Chestyle

Attachments: TVA Kingston Ammonia Bid Sheet.xls

Jeff,

I have attached our sub contractors preliminary price for the electrical work. This price does not include the ditch for the conduit since I don't know what the ditch spec will be. It does include 4" conduit instead of 2" due to the cable size. It also includes a spare conduit since the ditch will be open and it will be smart to put this in now for duture needs (\$40,000). We would typically add 10% to the subs price for overhead / management of their work. Call if you have questions or comments.

Brad Workman

-----Original Message----- **From:** Gray, Jeff **Sent:** Tuesday, October 17, 2006 2:35 PM **To:** Workman, William B II **Cc:** Pruitt, Terry L; Gray, Jeff **Subject:** FW: KIF Ash Pond Alt Feed

Brad,

Attached is the information for the preliminary estimate we discussed earlier today. Please contact Terry Pruitt if you have questions about the information furnished..

Thanks, Jeff Gray EDS Civil Engineering 423-751-7693 - office 423-751-6113

From: Cross, James (Chattanooga) [mailto:James.Cross@WorleyParsons.com]
Sent: Tuesday, October 17, 2006 2:03 PM
To: Gray, Jeff
Subject: KIF Ash Pond Alt Feed

Jeff, I have looked into what is required for re-feeding the Pond & Silo Board from the Ammonia facility. There is currently ample capacity at the facility to feed this entire board. There is a spare 4160V Circuit Breaker that could be used to feed the Pond & Silo Board. Based on the distance, a 4160V feed would need to be routed in order to not have any voltage drop issues. This feed would connect to a 4160/480V step down transformer that would then be connected to the pond and silo board. The following are assumptions I made for the estimate. All information would have to be verified.

Assumptions:

1) The Ammonia facility is approximately 6000 feet from the Pond & Silo Building. This is based on the

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drawing provided by the JPT.

2) The Pond and Silo MCC has a rating of 600A.

3) A 500 KVA 4160/480V transformer will be required at the Pond & Silo Building. This is based on getting full capacity of the 600A Pond & Silo Board.

The cost of the transformer will be approximately \$30K. The transformer and cable installation cost would need to be provided by the constructor. He can assume routing 3-#1/0 cables in a 2" conduit for his estimate. These numbers are on the conservative side but to get it any closer would require me to make another visit to the facility. Please call if you have any further questions.

J. Darrel Cross J.J. P.E.

Principal Electrical Engineer

× Adobe Systems

633 Chestnut Street, Suite 400 Chattanooga, TN 37450-0400 (423) 757-8092 (office), (423) 266-0922 (fax) james.cross@worleyparsons.com

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10/30/2006

TVA-00006315

MATERIAL: COST PLUS 10%	Enter Total Mat1 Cost Here CLASSIFICATION General (Head) Foreman Foreman Journeyman Appr 6th Period Appr 5th Period Appr 3rd Period Appr 3rd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B Job Scheduling Project Management	Billing Rate Per IQT Contract \$45.32 \$41.96 \$38.92 \$35.87 \$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$26.72 \$22.08 \$23.06 SUB TOTAL	MATERIAL COST \$247,091 TOTAL HRS Here 0 448 2968 2968	EXTEND COST \$18,79 \$115,51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
LABOR	General (Head) Foreman Foreman Journeyman Appr 6th Period Appr 5th Period Appr 3rd Period Appr 2nd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B	Per IQT Contract \$45.32 \$41.96 \$38.92 \$35.87 \$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 \$UB TOTAL	\$247,091 TOTAL HRS Here 0 448 2968	\$27 EXTEND COST \$18,79 \$115,51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	General (Head) ForemanForemanJourneymanAppr 6th PeriodAppr 5th PeriodAppr 3rd PeriodAppr 3rd PeriodAppr 2nd PeriodAppr 1st PeriodGroundman MaintGroundman Trainee - AGroundman Trainee - B	Per IQT Contract \$45.32 \$41.96 \$38.92 \$35.87 \$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 \$UB TOTAL	Here 0 448 2968	\$18,79 \$115,51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	General (Head) ForemanForemanJourneymanAppr 6th PeriodAppr 5th PeriodAppr 3rd PeriodAppr 3rd PeriodAppr 2nd PeriodAppr 1st PeriodGroundman MaintGroundman Trainee - AGroundman Trainee - B	Contract \$45.32 \$41.96 \$38.92 \$35.87 \$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 \$UB TOTAL	0 448 2968	\$ \$18,79 \$115,51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
INDIRECT LABOR:	ForemanJourneymanAppr 6th PeriodAppr 5th PeriodAppr 3th PeriodAppr 3rd PeriodAppr 2nd PeriodAppr 1st PeriodGroundman MaintGroundman Trainee - AGroundman Trainee - B	\$41.96 \$38.92 \$35.87 \$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 \$UB TOTAL	448 2968	\$ \$18,79 \$115,51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
INDIRECT LABOR:	Journeyman Appr 6th Period Appr 5th Period Appr 3th Period Appr 3rd Period Appr 2nd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B	\$38.92 \$35.87 \$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 \$UB TOTAL	2968	\$115,51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
INDIRECT LABOR:	Appr 6th Period Appr 5th Period Appr 4th Period Appr 3rd Period Appr 2nd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B	\$35.87 \$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 \$UB TOTAL		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
INDIRECT LABOR:	Appr 5th Period Appr 4th Period Appr 3rd Period Appr 2nd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B	\$33.73 \$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 SUB TOTAL	3416	\$ \$ \$ \$ \$ \$ \$ \$ \$
INDIRECT LABOR:	Appr 4th Period Appr 3rd Period Appr 2nd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B	\$31.60 \$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 SUB TOTAL	3416	\$ \$ \$ \$ \$ \$
INDIRECT LABOR:	Appr 3rd Period Appr 2nd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B	\$29.46 \$27.63 \$25.80 \$26.72 \$22.08 \$23.06 SUB TOTAL	3416	\$ \$ \$ \$ \$
INDIRECT LABOR:	Appr 2nd Period Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B	\$27.63 \$25.80 \$26.72 \$22.08 \$23.06 SUB TOTAL	3416	\$ \$ \$
INDIRECT LABOR:	Appr 1st Period Groundman Maint Groundman Trainee - A Groundman Trainee - B Job Scheduling	\$25.80 \$26.72 \$22.08 \$23.06 SUB TOTAL	3416	\$ \$ \$
INDIRECT LABOR:	Groundman Maint Groundman Trainee - A Groundman Trainee - B Job Scheduling	\$26.72 \$22.08 \$23.06 SUB TOTAL	3416	\$ \$
INDIRECT LABOR:	Groundman Trainee - A Groundman Trainee - B Job Scheduling	\$22.08 \$23.06 SUB TOTAL	3416	\$
INDIRECT LABOR:	Groundman Trainee - B Job Scheduling	\$23.06 SUB TOTAL	3416	
INDIRECT LABOR:	Job Scheduling	SUB TOTAL	3416	\$
				\$134,31
		\$48.00 \$48.00	168	\$8.0
	Estimating	\$48.00	8	\$3
	Scoping	\$48.00	8	\$3
	Proj. Close Out	\$37.17		
	Site Meetings	\$40.10		-
	Material Handling	\$37.17		
		SUB TOTAL	184	\$8,8
			ESTIMATED	EXTEND
			AMT	COST
DIRECT JOB EXPENSES:	10% MARK U	P	*	
(Examples)	Temporary Power		\$1,875	2,0
		own in Rental Table below)	\$2,750	3,0
	Storage		\$425	4
	Truck Expense		845	9
	Administrative Cost, Telephone, Compu	uter & Fax Machine	\$325	3
	Site Office			
	Sanitation (Field Toilet)			
	Temporary Lighting			
	Disposal (Dumpster)	SUB TOTAL		\$6,8
			ESTIMATED	EXTEND
			AMT	COST
TOOLS:	10% MARK U	P		
(Examples)	Lifting & Handling Equipment			
	Safety Equipment		\$285	\$3
	Tools Storage			
	Cable Installation Tools		\$225	\$2
	Splicing Tools			
	Digging Tools			
	Fiber Test & Splice Equipment			
	Tele/Data Test Equipment			
	Scaffolding Ladders			

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TVA-00006316

SUB-CONTRACTOR:			(UP			ESTIMATED AMT	EXTEND
SUB - CONTRACTORS: (Examples)	5% MARK UP						\$
(Examples)	Pole Bases	Excavation					
	Concrete - Cut & Patch		\$				
	Asphalt - Cut & Patch						\$
	Security						
	Fire Alarm						
	HVAC Controls		9				
	Energy Metering						9
	Tele/Data Equipment						9
	Sound Systems						9
	Transformer Testing						9
	Switchgear Modifications	3					Ş
	Breaker Testing - Westin	nghouse F	ield Services			\$1,450	\$1,52
	Engineering						
	Wireless						9
				SUB TOTAL	and the last		\$1,52
*							
TVA IQT ESTABLISHED	ITEM	HOUR	DAY	WEEK	MONTH	YEAR	
	Bucket Truck	\$45	\$300	\$1,000		\$20,000	
(Additional items may be	Splicing Truck	\$40	\$275	\$900		\$17,500	
added. TVA may furnish equipment in lieu of	Crew Truck (1/2 Ton) Manhole Equip.	\$3 \$12	\$24 \$96	\$90 \$400		\$3,500 \$10,500	
contractor renting)	(Incld. Blower w/hose	\$12	390	\$400	\$1,100	\$10,300	
	guard/rim, tent, pump,	Second Second	cul-siconoxiation e			New Joint Concerns	
	ladder, gas detector		ANTHEN HERE I			in a start of the second s	1
	Cable Plow	\$15	\$100	\$475	\$1,400	\$13,000	
	Pipe Pusher/Directional	\$10	\$75	\$350		\$10,500	
	Boring Machine	and the second					
	Backhoe	\$47	\$350	\$1,200	\$2,700	\$20,000	1
	Cable Trencher	\$15	\$90	\$425	\$1,300	\$12,000	
+							
ADDITIONAL CONSIDERATIONS:							
(TVA IQT Section 11-8	Transporation of, access		sal of, handli	ng of, and sto	rage of mat	erials.	
EXISTING SITE CONDITIONS)	Availability of quality of labor.						
	Availability fo utilities, including water and electric power. Site access and road consitions.						
			5005				
	Climatic conditions, tides, and seasons.						
	River hydrology and river stages. Physical conditions at the jobsite and the project area as a whole.						
	Topography and ground surface conditions.						
	Equipment and facilities needed for the performance of CONTRACTORS's work.					S's work.	
	The quanitity and nature						
SUMMARY:					_		
	MATERIALS			\$271,800.10			
	LABOR			\$134,312.64			
	INDIRECT LABOR			\$8,832.00 \$6,842.00			
		DIRECT JOB EXPENSES					
	TOOLS			\$561.00			
	SUB CONTRACTORS			\$1,522.50			
	RENTAL RATES	Enter To		650	┨┫		1
1	ADDITIONAL ITEMS	Enter To	tal Amt		◀		I





- 1. We will provide and install approximately 6000' of 4" rigid conduit for the 5KV Feeder
- 2. We will provide and install 6 5' x 5' concrete pull boxes
- 3. We will provide and install approximately 18,500' of 5KV #1/0 awg LSZH cable
- 4. We will provide and install approximately 6,200' of #4/0 awg bare copper along the top of the ditch for 4" rigid
- 5. We will provide labor to install a TVA furnished 4160-480/277 500 KVA transformer
- 6. We will provide and install a 600 amp 480 volt Main breaker 3-section MCC
- 7. The 600 amp MCC will have 1 incoming section and 2 vertical sections for breakers/starters to be determined
- 8. We will provide and install 5KV terminations and kits at the Ammonia Plant switchyard
- 9. We will provide breaker testing and adjustments by Westinghouse Field Services
- 10. We will provide and install a 600 amp feed from the 500 KVA Transformer to the MCC in 2 3" conduits
- 11. We will provide 2 sets of 3 350 MCM and 1 #2 awg for the 600 amp feeder
- 12. We will provide all JSA and 6615 documentation required
- 13. We will provide labor that is TVA site certified
- 14. We do not include cost of digging or concrete for the conduit cover if required
- 15. We do not include concrete pads for the 500 KVA transformer or the 600 amp MCC
- 16. All labor, material, and equipment rates are per FTA IQT contract 00037266.

PREPARED BY: Chris Jenkins/To TVA PROJECT MANAGER: Jerry		: 1/13/06 PRO Kings
SCOPE: Provide Phase I Data/Tel		
MATERIAL: COST PLUS 10%		
Ţ	Enter Total Mat'l Cost Here	
		Billing Rate
LABOR:	CLASSIFICATION	Per IQT
		Contract
	General (Head) Foreman	\$45.32
	Foreman	\$41.96
	Journeyman	\$38.92
	Appr 6th Period	\$35.87
	Appr 5th Period	\$33.73
	Appr 4th Period	\$31.60
	Appr 3rd Period	\$29.46 \$27.63
	Appr 2nd Period Appr 1st Period	\$25.80
	Groundman Maint	\$26.72
	Groundman Trainee - A	\$22.08
	Groundman Trainee - B	\$23.06
		SUB TOTAL
¥		1
INDIRECT LABOR:	Job Scheduling	\$48.00
	Project Management	\$48.00
	Estimating	\$48.00
	Scoping	\$48.00
	Proj. Close Out	\$37.17
	Site Meetings	\$40.10
	Material Handling	\$37.17
l		SUB TOTAL
DIRECT JOB EXPENSES:	10% N	ARK UP
(Examples)	Temporary Power	
		not shown in Rental Table below)
	Storage	
	Truck Expense	
	Fuel Costs	
	Augministrative Cost Talanhana	, Computer & Fax Machine

	Temporary Lighting				
	Disposal (Dumpster)				
			5	SUB TOTAL	
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TOOLS:	Deber Dendere & Cut	10% MAF	KUP		
(Examples)	Rebar Benders & Cutt	ers			
	Safety Equipment Tools Storage				<u></u>
	Conduit Benders				
	Splicing Tools				
	Brady Label Machine	& Markers			
	Fiber Test & Splice Ec				
	Tele/Data Test Equipr				
	Scissor Lifts				
	Ladders				
				SUB TOTAL	
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SUB - CONTRACTORS:			2 U.D.		
(Examples)	Excavation	5% MAR	VUP		
(Lxamples)	Pole Bases				
	Concrete - Cut & Patc	h			
	Asphalt - Cut & Patch				
	Security				-
	Fire Alarm		a 1 (a 1		
	HVAC Controls		·····		
	Energy Metering				
	Tele/Data Equipment				
	Sound Systems				
	Transformer Testing				
	Switchgear Modification	ons			
	Breaker Testing				
	Engineering				
	Wireless		·		
Ļ			Ľ	SUB TOTAL	100
TVA IQT ESTABLISHED	ITEM	HOUR	DAY	WEEK	MO
RENTAL RATES	Bucket Truck	\$45	\$300	\$1,00	
(Additional items may be	Splicing Truck	\$40	\$275	\$90	
added. TVA may furnish	Crew Truck (1/2 Ton)	\$3	\$24	\$9	
equipment in lieu of	Manhole Equip.	\$12	\$96	\$40	
contractor renting)	(Incld. Blower w/hose				
	guard/rim, tent, pump		nen an		
	ladder, gas detector		ann an the series of t		10 States
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	Cable Plow	\$15	\$100	\$47	5 \$1

Boring Machine		0105			Second and the second
Backhoe	\$ 47	\$	350	\$ 1,200	\$2,700
Cable Trencher	\$ 15	\$	90	\$ 425	\$1,300

ADDITIONAL CONSIDERATIONS:

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TEPT TOTAL CONODELIATIONO.					
(TVA IQT Section 11-8	Transporation of, access to, disposal of, hand	lling of, and storage of mai			
EXISTING SITE CONDITIONS)	Availability of quality of labor.				
	Availability fo utilities, including water and electron	ctric power.			
	Site access and road consitions.				
	Climatic conditions, tides, and seasons.				
	River hydrology and river stages.				
	Physical conditions at the jobsite and the project area as a whole.				
	Topography and ground surface conditions.				
	Equipment and facilities needed for the performance of CONTRACTOR				
	The quanitity and nature of the work.				
SUMMARY:					
	MATERIALS	\$224,775.10			
	LABOR	\$220,870.12			
	INDIRECT LABOR	\$26,069.22			

LABOR		\$220,870.12
INDIRECT LABOR		\$26,069.22
DIRECT JOB EXPENS	SES	\$7,419.50
TOOLS		\$14,029.40
SUB CONTRACTORS		\$0.00
RENTAL RATES	Enter Total Amt	\$3,325.00
ADDITIONAL ITEMS	Enter Total Amt	✓

AT :T LOCATION: Fossil Plant MATERIAL EXTENDED COST COST \$204,341 \$224,775

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TOTAL HRS Here	EXTENDED COST
502	\$22,750.64
1004	\$42,127.84
3667	\$142,719.64
	\$0.00
	\$0.00
420	\$13,272.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
5593	\$220,870.12

24	\$1,152.00
340	\$16,320.00
30	\$1,440.00
16	\$768.00
	\$0.00
24	\$962.40
146	\$5,426.82
580	\$26,069.22

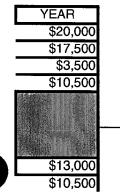
ESTIMATED AMT	EXTENDED COST
\$2,375	2,612.50
	0.00
\$845	929.50
	0.00
2340	2,574.00
\$635	698.50
\$550	605.00
	0.00

	0.00
	0.00
	\$7,419.50
ESTIMATED	EXTENDED
AMT ▼	COST
\$820	\$902.00
\$2,100	\$2,310.00
\$1,230	\$1,353.00
\$1,910	\$2,101.00
\$610	\$671.00
\$175	\$192.50
\$476	\$523.60
\$275	\$302.50
\$4,672	\$5,139.20
\$486	\$534.60
	\$14,029.40
ESTIMATED AMT ∳	EXTENDED COST
	\$0.00
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	TVA IOT - ETA MANAGED TASK ESTIMATING EOBMAT	ECTIMATING EQBM		
PREPARED BY: Chris Jenkins/Todd Brown D TVA PROJECT MANAGER: Jerry Fourroux SCOPE: FGD Fire Alarm/ENS Cabling Phase 1.	PREPARED BY: Chris Jenkins/Todd Brown DATE: JAN 13, 2006 TVA PROJECT MANAGER: Jerry Fourroux SCOPE: FGD Fire Alarm/ENS Cabling Phase 1.	PROJECT LOCATION: Kingston Fossil Plant		
MATERIAL: COST PLUS 10%	Enter Total Mat'l Cost Here		MATERIAL COST \$40,164	EXTENDED COST \$44,180
ABOR: IN THE REAL	CLASSIFICATION	Billing Rate Per IQT Contract	TOTAL HRS Here	EXTENDED
	General (Head) Foreman	\$45.32 ¢.11 0¢	62 122	\$2,809.84 ¢f f28 72
	Journeyman	\$41.30	398	\$15,490.16
	Appr 6th Period	\$35.87		\$0.00
	Appr 5th Period	\$33.73		\$0.00
	Appr 4th Period	\$31.60		\$0.00
	Appr 3rd Period	\$29.46		\$0.00
	Appr 2nd Period Annr 1st Period	\$27.63		\$0.00
	Groundman Maint	\$26.72		\$0.00
	Groundman Trainee - A	\$22.08		\$0.00
	- L	\$23.06		\$0.00
			592	\$23,838.72
+				
INDIRECT LABOR:	Job Scheduling	\$48.00	4	\$192.00
	Project Management	\$48.00	32	\$1,536.00
	Estimating	\$48.00	4	\$192.00
-	Scoping	\$48.00		\$0.00
	Proj. Close Out	\$37.17	8	\$297.36
	Site Meetings	\$40.10	4	\$160.40
	Material Handling	\$37.17	8	\$297.36
		SUB TOTAL	60	\$2,675.12

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EXTENDED COST	\$0 0.00	534.60	\$0 0.00	186 204.60	0.00	31	36 149.60	\$0 0.00	\$0 0.00	\$0 0.00	\$1,025.20		EXTENDED	COST	\$0.00	86 \$94.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$94.60
10% MARK UP	•	(Items not shown in Rental Table below) \$486	\$	18		e, Computer & Fax Machine \$124	\$136	\$	\$	\$	SUB TOTAL		ESTIMATED	10% MARK UP		\$86									
	Temporary Power		Storage	Fuel Costs		Administrative Cost, Telephone,	Site Office	Sanitation (Field Toilet)	Temporary Lighting	Disposal (Dumpster)				10%	Lifting & Handling Equipment	Safety Equipment	Tools Storage	Cable Installation Tools	Splicing Tools	Digging Tools	Fiber Test & Splice Equipment	Tele/Data Test Equipment	Scaffolding	Ladders	
DIRECT JOB EXPENSES:	(Examples)	 -										•		TOOLS:	(Examples)										

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SUB - CONTRACTORS:	5% MARK UP	ESTIMATED AMT	ESTIMATED EXTENDED AMT COST
(Examples)			\$0.00
	Pole Bases		\$0.00
	Concrete - Cut & Patch		\$0.00
	Asphalt - Cut & Patch		\$0.00
	Security		\$0.00
	Fire Alarm		\$0.00
	HVAC Controls		\$0.00
	Energy Metering		\$0.00
	Tele/Data Equipment		\$0.00
	Sound Systems		\$0.00
	Transformer Testing		\$0.00
	Switchgear Modifications		\$0.00
	Breaker Testing		\$0.00
	Engineering		\$0.00
	Wireless		\$0.00

\$0.00

SUB TOTAL

YEAR	\$20,000	\$17,500	\$3,500	\$10,500				\$13,000	\$10,500		20,000	12,000	ŀ
					a di					Cheffort	\$	œ	
MONTH	\$2,800	\$2,500	\$325	\$1,100				\$1,400	\$1,100		\$2,700	\$1,300	
WEEK	\$1,000	\$900	\$90	\$400				\$475	\$350		1,200	425	
											\$	\$	
DAY	\$300	\$275	\$24	\$96				\$100	\$75		350	06	
			~					-	0		\$	\$	
HOUR	\$45	\$40	\$3	\$12				\$15	\$10		47	15	
Ť						j.			_		\$	\$	
ITEM	Bucket Truck	Splicing Truck	Crew Truck (1/2 Ton)	Manhole Equip.	(Incld. Blower w/hose	guard/rim, tent, pump,	ladder, gas detector	Cable Plow	Pipe Pusher/Directional	Boring Machine	Backhoe	Cable Trencher	
TVA IQT ESTABLISHED	RENTAL RATES	(Additional items may be	added. TVA may furnish	equipment in lieu of	contractor renting)								

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g of, and storage of materials. c power.	area as a whole. ance of CONTRACTORS's work.	\$44,180.40 \$23,838.72 \$1,025.20 \$94.60 \$325.00 \$325.00	
Transporation of, access to, disposal of, handling of, and storage of materials. Availability of quality of labor. Availability fo utilities, including water and electric power. Site access and road consitions.	River hydrology and river stages. Physical conditions at the jobsite and the project area as a whole. Topography and ground surface conditions. Equipment and facilities needed for the performance of CONTRACTORS's work. The quanitity and nature of the work.	MATERIALS LABOR INDIRECT LABOR DIRECT JOB EXPENSES TOOLS SUB CONTRACTORS SUB CONTRACTORS RENTAL RATES Enter Total Amt	ADDITIONAL ITEMS Enter Total Amt
ADDITIONAL CONSIDERATIONS: (TVA IQT Section 11-8 EXISTING SITE CONDITIONS)	Summa Victor in the limited		1

► PROJECT TOTAL \$72,139.04

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