

<u>Biditem</u>	<u>Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
FISH PROTECTION BARRIER - OLD RIVER					
1. BARGE CONSTRUCTION (sum 1.1 - 1.3)					\$8,601,403.83
1.1	BARGE CONSTRUCTION / MODIFICATIONS	1.000	LS	4,064,202.65	4,064,202.65
1.2	FURNISH AND INSTALL GATES	1.000	LS	4,516,300.14	4,516,300.14
1.3	BARGE DELIVERY AND MOBILIZATION	1.000	LS	20,901.04	20,901.04
2. SITE CONSTRUCTION - OLD RIVER (sum 2.1 - 2.13)					\$9,852,263.94
2.1	GENERAL MOBILIZATION & DEMOBILIZATION	1.000	LS	271,362.07	271,362.07
2.2	RIVER SHEET PILE WALL	644.000	LF	4,824.02	3,106,668.88
2.3	LEVEE SHEET PILE WALLS, AZ 13	196.000	LF	2,302.99	451,386.04
2.4	SUBMERGED SHEET PILE ENCLOSURE	632.000	LF	2,758.28	1,743,232.96
2.5	BOAT RAMPS	1.000	EA	1,586,456.62	1,586,456.62
2.6	3FT CATWALK	2,032.000	SF	305.96	621,710.72
2.7	DREDGING	9,200.000	CY	57.50	529,000.00
2.8	BEDDING MATERIAL	2,600.000	TON	67.47	175,422.00
2.9	ROCK FILL	7,300.000	TON	43.31	316,163.00
2.10	BARGE INSTALLATION	1.000	LS	655,301.80	655,301.80
2.11	MONO PILES - 36"	462.000	LF	426.59	197,084.58
2.12	GATES & FENCE	1.000	LS	28,563.47	28,563.47
2.13	SIGNS, NAVIGATION LIGHTS, BUOYS	1.000	LS	44,551.39	44,551.39
2.14	ELECTRICAL & LIGHTING	1.000	LS	125,360.41	125,360.41
SUBTOTAL: OLD RIVER (sum 1 - 2)					\$18,453,667.77
FISH PROTECTION BARRIER - CONNECTION SLOUGH					
3. BARGE CONSTRUCTION (sum 3.1 - 3.3)					\$7,861,092.16
3.1	BARGE CONSTRUCTION / MODIFICATIONS	1.000	LS	3,998,088.73	3,998,088.73
3.2	FURNISH AND INSTALL GATES	1.000	LS	3,842,102.39	3,842,102.39
3.3	BARGE DELIVERY AND MOBILIZATION	1.000	LS	20,901.04	20,901.04
4. SITE CONSTRUCTION CONN. SLOUGH (sum 4.1-4.15)					\$8,615,052.50
4.1	GENERAL MOBILIZATION & DEMOBILIZATION	1.000	LS	265,695.21	265,695.21
4.2	RIVER SHEET PILE, AZ13	232.000	LF	5,996.72	1,391,239.04
4.3	LEVEE SHEET PILE WALLS, AZ 13	196.000	LF	2,281.49	447,172.04
4.4	SUBMERGED SHEET PILE ENCLOSURE	586.000	LF	2,731.67	1,600,758.62
4.5	BOAT RAMPS	1.000	EA	1,789,921.15	1,789,921.15
4.6	3FT CATWALK	848.000	SF	322.40	273,395.20

10/05/2009
09-016-100%

13:20
TWO GATE FISH PROTECTION PLAN

BID TOTALS

<u>Biditem</u>	<u>Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
4.7	DREDGING	5,950.000	CY	78.66	468,027.00
4.8	BEDDING MATERIAL	11,750.000	TON	47.18	554,365.00
4.9	ROCK FILL	12,700.000	TON	45.20	574,040.00
4.10	BARGE INSTALLATION	1.000	LS	655,301.80	655,301.80
4.11	MONO PILES - 36"	462.000	LF	426.59	197,084.58
4.12	TOE BERM	5,200.000	CY	39.17	203,684.00
4.13	GATES & FENCE	1.000	LS	28,563.47	28,563.47
4.14	SIGNS, NAVIGATION LIGHTS, BUOYS	1.000	LS	44,551.39	44,551.39
4.15	ELECTRICAL & LIGHTING	1.000	LS	121,254.00	121,254.00

SUBTOTAL: CONNECTION SLOUGH (sum 3 - 4)	\$16,476,144.66
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TOTAL: BID	\$34,929,812.43
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Bid Total	=====>	\$34,929,812.43
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****Notes:**

Items in italics are Non-Additive.

ESTIMATE RECAP - BID QUANTITIES

	DIRECT	INDIRECT	TOTAL	% OF TOTAL
Labor	2,811,379.97	1,041,909.21	3,853,289.18	13.840%
Burden	2,673,304.43	226,767.15	2,900,071.58	10.416%
Lab+Bur	5,484,684.40	1,268,676.36	6,753,360.76	24.256%
Perm Matl	13,169,051.00		13,169,051.00	47.299%
Const Exp	1,382,295.98	511,140.00	1,893,435.98	6.801%
Equipment	4,269,441.23	543,739.60	4,813,180.83	17.287%
Subs	1,213,034.00		1,213,034.00	4.357%
Other				0.000%
Total Costs:	25,518,506.61	2,323,555.96	27,842,062.57	100.000%
% of Total	91.655%	8.345%	100.000%	

Escalation on:	Labor	Burden	Perm Matl	Const Matl	Co Eqp	Rented Eqp
	112,232	84,468	0	0	0	0
	103.00 %	103.00 %	100.00 %	100.00 %	100.00 %	100.00 %
	Eq Op Exp	Sub	Misc1	Misc2	Misc3	Total Escalation
	0	0	0	0	0	196,700
	100.00 %	100.00 %	100.00 %	100.00 %	100.00 %	100.71 %

* Data Below here is dependent on the Summary Process. *
The Summary Process was last run 09/03/2009 at 1:57 PM

Markup on Resource Costs		6,753,360.76	24.2560%
MARKUP TOTALS ==>		6,753,360.76	24.2560%
<i>Cost Addons</i>			
Insurance PL & PD -\$1.5/1000	0.1500 % of Job Value	52,394.79	0.1882%
Bond from Summary Table		282,044.10	1.0130%
MARKUP, ADDON & BOND TOTALS ==>		7,087,799.65	25.4572%
		=====	(% of costs)
COST + MARKUP ----->		\$34,929,862.22	
		(On Takeoff Quantity)	

There * ARE NOT * closing accounts for this bid.

Rounding difference:	-49.78	-Effect on Bid- Adjusted
Unbalancing difference:		
From Cut&Add Sheet-costs:		(on Bid Quantity)
From Cut&Add Sheet-markup:		(on Bid Quantity)
Pass Through Adjustments:		None

Net Adjustments (to the balanced bid): -\$49.78 [or desired bid]

BALANCED BID TOTAL \$34,929,862.21
DESIRED BID (if specified)

BID TOTAL (on bid quantities)	\$34,929,812.43	
BID COSTS (on bid quantities)	\$28,176,501.45	
MARKUP (on bid quantities)	\$6,753,310.98	23.967%
EXPECTED JOB VALUE (on takeoff quantities):	\$34,929,812.43	
EXPECTED COSTS (on takeoff quantities):	\$28,176,501.46	
EXPECTED MARKUP (on takeoff quantities):	\$6,753,310.97	23.967%
Adjust to Bid Quantities =	Y	

On Takeoff Quantities

Labor Hrs. (MH/MHS)	72,792	416	73,208
(incl burden)	5,484,684	22,782	5,507,466
Labor (DAY/DAYS)	0	0	0
(incl burden)	0	0	0
Labor (OtherUnits)	0	1,245,893	1,245,893
(incl burden)			
Labor Burden	2,673,304	226,767	2,900,071

Spread Indirects on:	Total Cost	Spread Markup on:	Total Cost
Spread Addons&Bond on:	Total Cost		

Markup on:	Labor	Burden	PermMatl	CM	CoEqp	RentedEqp
	100.0%	100.0%	0.00%	0.00%	0.00%	0.00%
	EOE	Sub	Misc1	Misc2	Misc3	
	0.00%	0.00%	0.00%	0.00%	0.00%	

Bond Calculations

Selected Bond Table: B1 Description: Bon

	Contract Amount	Rate per 1000	Bond Amount
First:	\$ 10,000,000	10.00	\$ 100,000.00
Next:	\$ 10,000,000	8.50	\$ 85,000.00
Next:	\$ 10,000,000	6.50	\$ 65,000.00
Next:	\$ 0	0.00	\$ 0.00
Next:	\$ 0	0.00	\$ 0.00
Remainder:		6.50	\$ 32,044.10
		Subtotal:	\$ 282,044.10
Time Threshold 1:	0	Extended Time Rate 1:	0.0000 % \$ 0.00
Time Threshold 2:	0	Extended Time Rate 2:	0.0000 % \$ 0.00
Length of Job:	10	Total Bond Amount:	\$ 282,044.10

Key Indicators

Balanced Markup / Total Labor = Balanced Markup/Total Labor

6,753,360.76	/	6,753,360.76	=	100.00%
Indirect Cost	/	Direct Cost	=	Indirect Cost/Direct Cost
2,323,555.96	/	25,518,506.61	=	9.11%

----- ESTIMATE NOTES: -----

Bid Date: 09/04/09 Owner:
Engr Firm:
Estimator-In-Charge: AMR Desired Bid (if specified) = 0.00
Notes: Updated with Carpenter, operators, piledriver, laborer, cement masons, teamsters and dredgermen rates thru June 2008.

*****Estimate created on: 12/17/2008 by User#: 0 - Alex M. Rodriguez, P.E.
Source used: E:\08-011-95%D.zip (a backup) from 12/08/2008 2:45:02 PM

*****Estimate created on: 08/13/2009 by User#: 0 - Alex M. Rodriguez, P.E.
Source used: C:\HEAVYBID\HBSAVE\08-011-95%D.zip (a backup) from 08/13/2009 2:21:31 PM

*****Estimate created on: 09/01/2009 by User#: 0 - Alex M. Rodriguez, P.E.
Source used: C:\HEAVYBID\HBSAVE\09-016-95%.zip (a backup) from 09/01/2009 11:20:55 AM

Last Summary on 09/03/2009 at 1:57 PM.
Last Spread on 09/03/2009 at 1:57 PM.

ESTIMATE SUMMARY - COSTS & BID PRICES																		
Bid#	Client#	Quantity	Unit		Direct	Perm	Constr	Equip-	Sub-	Direct	Indirect	Total	Total Cost		-----Balanced Bid-----		Bid	Bid
	Bid Description			Manhours	Labor	Matl	Matl	Ment	Contr	Total	Charge	Cost	Unit Price	Markup	Total	Unit Price	Price	Total
FISH PROTECTION BARRIER - OLD RIVER																		
1100	1.1	1.00	LS	8,473	640,062	1,757,079	288,800	183,220	100,000	2,969,161	309,266	3,278,427	3,278,427.24	785,775	4,064,203	4,064,202.65	4,064,202.65	4,064,202.65
	BARGE CONSTRUCTION / MODIFICATIONS			8,472.98	640,062.43	1,757,078.68	288,800.00	183,219.82	100,000.00	2,969,160.93	309,266.31			24.0 %				
1200	1.2	1.00	LS	18,946	1,435,474	1,113,126	45,300	383,546	322,000	3,299,447	343,669	3,643,116	3,643,115.93	873,184	4,516,300	4,516,300.14	4,516,300.14	4,516,300.14
	FURNISH AND INSTALL GATES			18,945.95	1,435,474.41	1,113,126.41	45,300.00	383,546.35	322,000.00	3,299,447.17	343,668.76			24.0 %				
1300	1.3	1.00	LS	100	7,549			7,721		15,270	1,590	16,860	16,860.02	4,041	20,901	20,901.04	20,901.04	20,901.04
	BARGE DELIVERY AND MOBILIZATION			100.00	7,548.67			7,720.88		15,269.55	1,590.47			24.0 %				
2010	2.1	1.00	LS	860	64,873	1,111		114,323	17,940	198,247	20,649	218,897	218,896.76	52,465	271,362	271,362.07	271,362.07	271,362.07
	GENERAL MOBILIZATION & DEMOBILIZATI			860.00	64,873.48	1,111.07		114,322.86	17,940.00	198,247.41	20,649.35			24.0 %				
2020	2.2	644.00	LF	2,991	225,772	1,596,005	64,683	263,162	120,000	2,269,622	236,403	2,506,024	3,891.34	600,645	3,106,670	4,824.02	4,824.02	3,106,668.88
	RIVER SHEET PILE WALL			4.64	350.58	2,478.27	100.44	408.64	186.34	3,524.26	367.08			24.0 %				
2030	2.3	196.00	LF	453	34,216	232,269	7,709	55,572		329,766	34,348	364,114	1,857.73	87,271	451,385	2,302.99	2,302.99	451,386.04
	LEVEE SHEET PILE WALLS, AZ 13			2.31	174.57	1,185.04	39.33	283.53		1,682.48	175.25			24.0 %				
2040	2.4	632.00	LF	1,190	89,867	1,016,727	20,309	146,639		1,273,542	132,652	1,406,194	2,224.99	337,037	1,743,231	2,758.28	2,758.28	1,743,232.96
	SUBMERGED SHEET PILE ENCLOSURE			1.88	142.19	1,608.75	32.13	232.02		2,015.10	209.89			24.0 %				
2050	2.5	1.00	EA	2,370	176,054	726,186	26,961	186,086	43,722	1,159,008	120,722	1,279,730	1,279,730.13	306,726	1,586,457	1,586,456.62	1,586,456.62	1,586,456.62
	BOAT RAMPS			2,370.47	176,054.27	726,185.54	26,960.85	186,085.74	43,722.00	1,159,008.40	120,721.73			24.0 %				
2060	2.6	2,032.00	SF	492	37,171	366,875	3,327	46,834		454,207	47,310	501,517	246.81	120,204	621,721	305.96	305.96	621,710.72
	3FT CATWALK			0.24	18.29	180.55	1.64	23.05		223.53	23.28			24.0 %				
2070	2.7	9,200.00	CY	1,188	83,509		17,500	283,053	2,400	386,462	40,254	426,715	46.38	102,275	528,991	57.50	57.50	529,000.00
	DREDGING			0.13	9.08		1.90	30.77	0.26	42.01	4.38			24.0 %				
2080	2.8	2,600.00	TON	101	7,624	53,970		66,556		128,149	13,348	141,497	54.42	33,914	175,412	67.47	67.47	175,422.00
	BEDDING MATERIAL			0.04	2.93	20.76		25.60		49.29	5.13			24.0 %				
2090	2.9	7,300.00	TON	141	10,644	115,532		104,807		230,983	24,059	255,042	34.94	61,129	316,171	43.31	43.31	316,163.00
	ROCK FILL			0.02	1.46	15.83		14.36		31.64	3.30			24.0 %				
2100	2.10	1.00	LS	875	66,093		196,280	211,767	4,600	478,740	49,865	528,605	528,605.35	126,696	655,302	655,301.80	655,301.80	655,301.80
	BARGE INSTALLATION			875.00	66,093.28		196,280.00	211,766.75	4,600.00	478,740.03	49,865.32			24.0 %				
2110	2.11	462.00	LF	158	11,943	106,727	13,811	11,501		143,982	14,997	158,979	344.11	38,104	197,084	426.59	426.59	197,084.58
	MONO PILES - 36"			0.34	25.85	231.01	29.89	24.89		311.65	32.46			24.0 %				
2120	2.12	1.00	LS	44	3,312	9,833		2,923	4,800	20,867	2,174	23,041	23,040.99	5,522	28,563	28,563.47	28,563.47	28,563.47
	GATES & FENCE			44.00	3,311.95	9,832.50		2,923.00	4,800.00	20,867.45	2,173.54			24.0 %				
2130	2.13	1.00	LS	124	9,183	18,463		4,902		32,548	3,390	35,938	35,937.80	8,614	44,551	44,551.39	44,551.39	44,551.39
	SIGNS, NAVIGATION LIGHTS, BUOYS			124.00	9,182.62	18,463.25		4,901.78		32,547.65	3,390.15			24.0 %				
2140	2.14	1.00	LS	101	6,928	55,922	1,000	1,734	26,000	91,584	9,539	101,123	101,123.15	24,237	125,360	125,360.41	125,360.41	125,360.41
	ELECTRICAL & LIGHTING			100.69	6,928.28	55,921.80	1,000.00	1,733.75	26,000.00	91,583.83	9,539.32			24.0 %				

ESTIMATE SUMMARY - COSTS & BID PRICES																		
Bid#	Client#	Quantity	Unit		Direct	Perm	Constr	Equip-	Sub-	Direct	Indirect	Total	Total Cost		-----Balanced Bid-----		Bid	Bid
	Bid Description			Manhours	Labor	Matl	Matl	Ment	Contr	Total	Charge	Cost	Unit Price	Markup	Total	Unit Price	Price	Total
FISH PROTECTION BARRIER - CONNECTION SLOUGH																		
3010	3.1	1.00	LS	7,974	602,355	1,747,541	296,000	171,964	103,000	2,920,860	304,235	3,225,096	3,225,095.83	772,993	3,998,089	3,998,088.73	3,998,088.73	3,998,088.73
	BARGE CONSTRUCTION / MODIFICATIONS			7,973.61	602,355.49	1,747,541.15	296,000.00	171,963.82	103,000.00	2,920,860.46	304,235.37			24.0 %				
3020	3.2	1.00	LS	15,746	1,193,073	922,567	37,000	338,263	316,000	2,806,902	292,366	3,099,268	3,099,267.98	742,834	3,842,102	3,842,102.39	3,842,102.39	3,842,102.39
	FURNISH AND INSTALL GATES			15,745.99	1,193,072.72	922,567.09	37,000.00	338,262.62	316,000.00	2,806,902.43	292,365.55			24.0 %				
3030	3.3	1.00	LS	100	7,549			7,721		15,270	1,590	16,860	16,860.02	4,041	20,901	20,901.04	20,901.04	20,901.04
	BARGE DELIVERY AND MOBILIZATION			100.00	7,548.67			7,720.88		15,269.55	1,590.47			24.0 %				
4010	4.1	1.00	LS	860	64,873	1,111		114,323	13,800	194,107	20,218	214,326	214,325.54	51,370	265,695	265,695.21	265,695.21	265,695.21
	GENERAL MOBILIZATION & DEMOBILIZATI			860.00	64,873.48	1,111.07		114,322.86	13,800.00	194,107.41	20,218.13			24.0 %				
4020	4.2	232.00	LF	1,675	126,439	625,559	54,492	147,501	62,400	1,016,390	105,867	1,122,257	4,837.31	268,983	1,391,240	5,996.72	5,996.72	1,391,239.04
	RIVER SHEET PILE, AZ13			7.22	544.99	2,696.38	234.88	635.78	268.97	4,380.99	456.32			24.0 %				
4030	4.3	196.00	LF	439	33,159	232,268	7,509	53,752		326,688	34,028	360,715	1,840.38	86,456	447,172	2,281.49	2,281.49	447,172.04
	LEVEE SHEET PILE WALLS, AZ 13			2.24	169.18	1,185.04	38.31	274.24		1,666.77	173.61			24.0 %				
4040	4.4	586.00	LF	1,131	85,454	924,126	19,509	140,366		1,169,455	121,810	1,291,265	2,203.52	309,491	1,600,757	2,731.67	2,731.67	1,600,758.62
	SUBMERGED SHEET PILE ENCLOSURE			1.93	145.83	1,577.01	33.29	239.53		1,995.66	207.87			24.0 %				
4050	4.5	1.00	EA	2,607	194,907	809,256	39,283	220,234	43,972	1,307,652	136,204	1,443,857	1,443,856.71	346,064	1,789,921	1,789,921.15	1,789,921.15	1,789,921.15
	BOAT RAMPS			2,606.98	194,907.46	809,256.18	39,283.05	220,233.61	43,972.00	1,307,652.30	136,204.41			24.0 %				
4060	4.6	848.00	SF	249	18,770	155,231	2,083	23,650		199,735	20,804	220,539	260.07	52,859	273,398	322.40	322.40	273,395.20
	3FT CATWALK			0.29	22.14	183.05	2.46	27.89		235.54	24.53			24.0 %				
4070	4.7	5,950.00	CY	1,029	72,739			269,202		341,941	35,616	377,558	63.46	90,493	468,051	78.66	78.66	468,027.00
	DREDGING			0.17	12.23			45.24		57.47	5.99			24.0 %				
4080	4.8	11,750.00	TON	282	21,287	182,502		201,215		405,004	42,185	447,189	38.06	107,183	554,372	47.18	47.18	554,365.00
	BEDDING MATERIAL			0.02	1.81	15.53		17.12		34.47	3.59			24.0 %				
4090	4.9	12,700.00	TON	254	19,174	208,121		192,079		419,374	43,682	463,055	36.46	110,985	574,041	45.20	45.20	574,040.00
	ROCK FILL			0.02	1.51	16.39		15.12		33.02	3.44			24.0 %				
4100	4.10	1.00	LS	875	66,093		196,280	211,767	4,600	478,740	49,865	528,605	528,605.35	126,696	655,302	655,301.80	655,301.80	655,301.80
	BARGE INSTALLATION			875.00	66,093.28		196,280.00	211,766.75	4,600.00	478,740.03	49,865.32			24.0 %				
4110	4.11	462.00	LF	158	11,943	106,727	13,811	11,501		143,982	14,997	158,979	344.11	38,104	197,084	426.59	426.59	197,084.58
	MONO PILES - 36"			0.34	25.85	231.01	29.89	24.89		311.65	32.46			24.0 %				
4120	4.12	5,200.00	CY	539	37,171		29,650	82,000		148,821	15,501	164,322	31.60	39,385	203,707	39.17	39.17	203,684.00
	TOE BERM			0.10	7.15		5.70	15.77		28.62	2.98			24.0 %				
4130	4.13	1.00	LS	44	3,312	9,833		2,923	4,800	20,867	2,174	23,041	23,040.99	5,522	28,563	28,563.47	28,563.47	28,563.47
	GATES & FENCE			44.00	3,311.95	9,832.50		2,923.00	4,800.00	20,867.45	2,173.54			24.0 %				
4140	4.14	1.00	LS	124	9,183	18,463		4,902		32,548	3,390	35,938	35,937.80	8,614	44,551	44,551.39	44,551.39	44,551.39

ESTIMATE SUMMARY - COSTS & BID PRICES															
Bid#	Client#	Quantity	Unit		Direct	Perm	Constr	Equip-	Sub-	Direct	Indirect	Total	Total Cost		-----Balanced Bid-----
	Bid Description		Manhours		Labor	Matl	Matl	Ment	Contr	Total	Charge	Cost	Unit Price	Markup	Total Unit Price

NOTE: Biditems that are subitems (have a parent biditem) are printed in italics.

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 1100 CLIENT# = 1.1 Land Item SCHEDULE: 1 100 Description = BARGE CONSTRUCTION / MODIFICATIONS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000										
1100005	PURCHASE OF BARGE									
Purchase of used barge:"Ignacia", 1,158,087 lb. Allowance of \$1,000,000 to purchase. 2BARGE IGNAC Purchase of Ba@109. 1.00 LS 1,000,000.000 1,092,500 1,092,500										
1100010	TOW BARGE TO DRYDOCK & BACK									
Tow barge from Rio Vista to San Francisco---56mi/7mph = 8hr Tug light to Rio Vista, 56mi/12mph = 4.5hr ----- Total: 12.5hr, Say 13hr 8TUG15 Tugboat 1500 HP 26.00 HR 400.000 10,400 10,400										
1100015	BARGE DESIGN									
Allowance to design barge. 3BARGEDESIGNBarge Design 1.00 LS 200,000.000 200,000 200,000										
1100020	PREP BARGE									
Dry dock barge to: 1. Remove concrete deck on existing barge; 2. Remove railing and bulkheads; 3. Paint hull.										
CR10M	CRANE, 10-MEN	150.00	CH	Prod: 0.0000	Lab Pcs: 10.00		Eqp Pcs: 7.00			
2STL PLATE	Steel Plate@109.25%	100,000.00	LB	0.550	60,088					60,088
35105	Disposal Fee-Conc/Re	200.00	CY	45.000		9,000				9,000
4PAI00	Painting Sub	1.00	LS	100,000.000				100,000		100,000
8COH19	Compressor 190 CFM	3.00	450.00 HR	14.550		4,298		2,250		6,548
8CRC10	Crane Crawler-100tn	1.00	150.00 HR	86.044		12,907				12,907
8TKD20	Dump Truck-Semi En	80.00	HR	95.000		7,600				7,600

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-		
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 1100	CLIENT# = 1.1	Land Item	SCHEDULE: 1	100						
Description = BARGE CONSTRUCTION / MODIFICATIONS			Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000			
8WE200	Welder-DSL 200 amp	8.00	189.92 HR	14.765		2,416		388		2,804
NCOE37	Oper Crane <45tn, G	1.00	23.74 MH	34.490	1,766					1,766
NCPD02	Piledriverman	8.00	189.92 MH	33.900	14,369					14,369
\$83,835.82	213.6600 MH/LS	213.6600	MH	[8222.28]	16,134	63,365	3,948	388		83,836
0.0421	Units/H	0.4212	Un/Shift	0.0047 Unit/M	16,134.48	63,365.00	3,947.96	388.38		83,835.82

1100070 FURNISH & INSTALL WING WALLS **Quan: 88,600.00 LB** **Hrs/Shft: 10.00** **Cal: 510 WC: 1**

Freight is based on 4 truckloads at \$800/load = \$2400.

<u>WELC8M</u>	WELDING CREW W/ CRANE, 8-ME	473.25	CH	Prod: 4.5000 \$U	Lab Pcs:	9.00	Eqp Pcs:	9.00		
2END WALL	End Wall Steel@109.	88,600.00	LB	0.600	58,077					58,077
3FREIGHT	Freight Allowance	1.00	LS	2,400.000		2,400				2,400
8CRH40	Crane Hydro-40tn	1.00	473.26 HR	64.541		30,545				30,545
8WE200	Welder-DSL 200 amp	8.00	3,786.06 HR	14.765		48,159		7,742		55,901
NCOE37	Oper Crane <45tn, G	1.00	473.26 MH	34.490	35,201					35,201
NCPD02	Piledriverman	8.00	3,786.06 MH	33.900	286,441					286,441
\$468,564.62	0.0480 MH/LB	4,259.3200	MH	[1.85]	321,641	58,077	81,103	7,742		468,565
187.2161	Units/H	1,872.1606	Un/Shift	20.8014 Unit/M	3.63	0.66	0.92	0.09		5.29

1100080 FURNISH & INSTALL BALLAST **Quan: 2.00 SH** **Hrs/Shft: 10.00** **Cal: 510 WC: 1**

Freight is based on 4 loads x \$600 = \$2,400

<u>CR7M</u>	CRANE, 7-MEN	0.00	CH	Prod: 0.0000	Lab Pcs:	7.00	Eqp Pcs:	1.00		
2PIGIRON BAL	Pig Iron Balla@109.2	140,500.00	LB	0.300	46,049					46,049
3FREIGHT	Freight Allowance	1.00	LS	2,400.000		2,400				2,400
8CRC10	Crane Crawler-100tn	1.00	0.00 HR	86.044						
NCOE31	Oper Crane >100tn, G	1.00	0.00 MH	37.990						
NCOE38	Oper Oiler, GR 1A	1.00	0.00 MH	28.730						
NCPD01	Piledriver Foreman	1.00	0.00 MH	37.290						
NCPD02	Piledriverman	4.00	0.00 MH	33.900						
\$48,448.88				[]	46,049	2,400				48,449

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 1100 CLIENT# = 1.1 Land Item SCHEDULE: 1 100
Description = BARGE CONSTRUCTION / MODIFICATIONS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000
23,024.44 1,200.00 24,224.44

=====> **Item Totals: 1100 - BARGE CONSTRUCTION / MODIFICATIONS**
\$2,969,160.88 8,472.9800 MH/LS 8,472.98 MH [326815.29] 640,062 1,757,079 451,889 20,131 100,000 **2,969,161**
2,969,160.880 1 LS 640,062.43 1,757,078.68 451,888.90 20,130.87 100,000.00 2,969,160.88

BID ITEM = 1200 CLIENT# = 1.2 Land Item SCHEDULE: 1 100
Description = FURNISH AND INSTALL GATES Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2750005 FURNISH AND FABRICATE GATES Quan: 685,000.00 LB Hrs/Shft: 10.00 Cal: 510 WC: 1
CR20M CRANE, 20-MEN 926.62 CH Prod: 2.2500 \$U Lab Pcs: 19.00 Eqp Pcs: 12.00
2GATE STEEL Gate Steel Mat@109. 685,000.00 LB 0.900 673,526 673,526
3FREIGHT Freight Allowance 1.00 LS 12,800.000 12,800 12,800
8CO185 Compressor 185 CFM 5.00 4,633.14 HR 9.330 43,227 43,227
8CRC10 Crane Crawler-100tn 1.00 926.63 HR 86.044 79,731 79,731
8CRH20 Crane Hydro-20tn 1.00 926.63 HR 38.135 19,543 15,794 35,337
8WE400 Welder-DSL 400 amp 5.00 4,633.14 HR 18.800 63,937 23,166 87,103
NCOE31 Oper Crane >100tn, G 1.00 926.63 MH 37.990 73,813 73,813
NCOE37 Oper Crane <45tn, G 1.00 926.63 MH 34.490 68,922 68,922
NCOE38 Oper Oiler, GR 1A 1.00 926.63 MH 28.730 60,873 60,873
NCPD01 Piledriver Foreman 2.00 1,853.26 MH 37.290 149,686 149,686
NCPD02 Piledriverman 14.00 12,972.80 MH 33.900 981,479 981,479
\$2,266,497.58 0.0257 MH/LB 17,605.9500 MH [0.997] 1,334,773 673,526 176,011 82,187 2,266,498
739.2459 Units/H 7,392.4586 Un/Shift 38.9073 Unit/M 1.95 0.98 0.26 0.12 3.31

2750010 FURNISH MISCELLANEOUS MATERIALS Quan: 1.00 LS Hrs/Shft: 10.00 Cal: 510 WC: 1

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 1200	CLIENT# = 1.2	Land Item	SCHEDULE: 1	100						
Description = FURNISH AND INSTALL GATES		Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000				
The weight of the gates is the total weight given less the weight of:										
1. hydraulic cylinders-----	8,000									
2. Hydraulic tubing-----	727									
3. Open locks-----	2,558									
4. Closed locks-----	10,304									
5. Gate seals-----	1,478									
6. Shackles-----	209									
7. Operator house-----	8,400									
8. LIghts-----	34									
9. Hyd. power packs-----	2,000									
2AIR VALVE4	Air Gate Valve@109.	15.00	EA	550.000		9,013				9,013
2AIR VALVE6	Air Gate Valve@109.	30.00	EA	800.000		26,220				26,220
2CATWALK	Steel Catwalk @109.2	140.00	SF	140.000		21,413				21,413
2FABREEKA	Fabreeka Shim@109.	5.00	EA	100.000		546				546
2GASKET30	Gasket 30"dia @109.	2.00	EA	300.000		656				656
2GATE CATWA	Gate Catwalk w@109	170.00	LF	120.000		22,287				22,287
2HARDWARE	Bolts, Nuts & @109.2	300.00	LB	3.500		1,147				1,147
2HYD CYLIN10	Hydraulic Cyli@109.	5.00	EA	30,000.000		163,875				163,875
2HYD CYLIN25	Hydraulic Cyli@109.	5.00	EA	2,340.000		12,782				12,782
2HYD PPACK	Hydraulic Powe@109	2.00	EA	10,000.000		21,850				21,850
2HYDRAULICS	Hydraulics & P@109.	1.00	LS	30,000.000		32,775				32,775
2LADDER	Steel Ladders @109.2	2.00	EA	1,000.000		2,185				2,185
2LATCHES	Gate Latch Ass@109.	5.00	EA	2,500.000		13,656				13,656
2MARINE FEND	Marine Fenders@109.	1.00	LS	10,000.000		10,925				10,925
2STAVE	HDPE Bearing S@10	120.00	EA	40.000		5,244				5,244
3FREIGHT	Freight Allowance	1.00	LS	18,000.000			18,000			18,000
4HYD SUB	Hydraulic Sub Installa	1.00	LS	300,000.000					300,000	300,000
\$662,574.51			[]		344,575	18,000			300,000	662,575
					344,574.51	18,000.00			300,000.00	662,574.51

[illegible]

2750012	PAINT GATES AND APPURTENANCES	Quan: 5,500.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1		
4PAI00	Painting Sub	5,500.00	SF	4.000			22,000	22,000

2750020	UNLOAD MATERIALS				Quan:	3.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1	
CR5M	CRANE, 5-MEN		30.00	CH	Prod:	10.0000	HU	Lab Pcs:	5.00	Eqp Pcs:	1.00
8CRC10	Crane Crawler-100tn	1.00	30.00	HR	86.044				2,581		2,581
NCOE31	Oper Crane >100tn, G	1.00	30.00	MH	37.990			2,390			2,390
NCOE38	Oper Oiler, GR 1A	1.00	30.00	MH	28.730			1,971			1,971
NCPD01	Piledriver Foreman	1.00	30.00	MH	37.290			2,423			2,423
NCPD02	Piledriverman	2.00	60.00	MH	33.900			4,539			4,539
\$13,904.28	50.0000 MH/SH	150.0000	MH	[1946.607]			11,323		2,581		13,904
0.1000	Units/H	1.0000	Un/Shift	0.0200	Unit/M		3,774.32		860.44		4,634.76

2750030	ASSEMBLE & INSTALL GATES ON BARGE	Quan:	10.00	SH	Hrs/Shft:	10.00	Cal:	510	WC:	1
This includes installation of hydraulic cylinders and gate latches.										

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 1200	CLIENT# = 1.2	Land Item	SCHEDULE: 1	100						
Description = FURNISH AND INSTALL GATES		Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000				
<u>DER10M</u>	DERRICK CREW 10MEN	100.00	CH	Prod: 10.0000 HU	Lab Pcs: 10.00	Eqp Pcs: 7.00				
3OXY00	Oxygen & Acetylene	10.00	SH	50.000		500				500
3WEL00	Welding Mat'ls	20.00	SH	100.000		2,000				2,000
8BAD01	Paula Lee Derrick - D	1.00	100.00	HR	1,063.753	21,148		85,227		106,375
8BAD14	Flat Barge - Dutra	1.00	100.00	HR	66.285	2,083		4,546		6,629
8CO250	Compressor 250 CFM	2.00	200.00	HR	20.382	2,940		1,136		4,076
8WE200	Welder-DSL 200 amp	3.00	300.00	HR	14.765	3,816		614		4,430
NCOE29	Oper Clamshell >7cy,	1.00	100.00	MH	37.990	7,966				7,966
NCOE38	Oper Oiler, GR 1A	1.00	100.00	MH	28.730	6,569				6,569
NCOE49	Oper H.D. Repairman	1.00	100.00	MH	32.280	7,200				7,200
NCPD01	Piledriver Foreman	1.00	100.00	MH	37.290	8,077				8,077
NCPD02	Piledriverman	6.00	600.00	MH	33.900	45,394				45,394
\$199,215.43	100.0000 MH/SH	1,000.0000	MH	[3848.687]	75,206	32,487		91,523		199,215
0.1000	Units/H	1.0000	Un/Shift	0.0100 Unit/M	7,520.57	3,248.70		9,152.27		19,921.54
2750040	INSTALL OPERATOR HOUSE	Quan: 2.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CR5M</u>	CRANE, 5-MEN	20.00	CH	Prod: 10.0000 HU	Lab Pcs: 5.00	Eqp Pcs: 1.00				
8CRC10	Crane Crawler-100tn	1.00	20.00	HR	86.044	1,721				1,721
NCOE31	Oper Crane >100tn, G	1.00	20.00	MH	37.990	1,593				1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00	MH	28.730	1,314				1,314
NCPD01	Piledriver Foreman	1.00	20.00	MH	37.290	1,615				1,615
NCPD02	Piledriverman	2.00	40.00	MH	33.900	3,026				3,026
\$9,269.55	50.0000 MH/SH	100.0000	MH	[1946.6]	7,549	1,721				9,270
0.1000	Units/H	1.0000	Un/Shift	0.0200 Unit/M	3,774.34	860.44				4,634.78

2750050 TOW BARGE TO DRYDOCK & BACK Quan: 2.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

Tow barge from Rio Vista to San Francisco---56mi/7mph = 8hr
Tug light to Rio Vista, 56mi/12mph = 4.5hr

**Unreviewed

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 1200	CLIENT# = 1.2	Land Item	SCHEDULE: 1	100						
Description = FURNISH AND INSTALL GATES		Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000				

Total: 12.5hr, Say 13hr										
8TUG15	Tugboat 1500 HP	26.00	HR	400.000			10,400			10,400
2750060	DRY DOCK BARGE	Quan: 3.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1				
										**Unreviewed
Dry dock barge to test opening and closing of gates.										
2C1Q	3-MAN CREW, 2-CARP,1-OP18	30.00	CH	Prod: 0.0000	Lab Pcs:	3.00	Eqp Pcs:	1.00		
3DRY DOCK	Dry Dock Cost	3.00	DAY	3,000.000		9,000				9,000
8CRH40	Crane Hydro-40tn	1.00	30.00 HR	64.541		1,936				1,936
NCCA02	Carpenter, JRMN, SF	2.00	60.00 MH	34.750	4,393					4,393
NCOE37	Oper Crane <45tn, G	1.00	30.00 MH	34.490	2,231					2,231
\$17,560.12	30.0000 MH/SH	90.0000	MH	[1178.207]	6,624	10,936				17,560
0.1000	Units/H	1.0000	Un/Shift	0.0333 Unit/M	2,207.96	3,645.41				5,853.37
=====> Item Totals:	1200 - FURNISH AND INSTALL GATES									
\$3,299,447.12	18,945.9500 MH/LS	18,945.95	MH	[734579.87]	1,435,474	1,113,126	255,136	173,710	322,000	3,299,447
3,299,447.120	1 LS				1,435,474.41	1,113,126.41	255,136.31	173,709.99	322,000.00	3,299,447.12

BID ITEM = 1300 CLIENT# = 1.3 Land Item SCHEDULE: 1 100
Description = BARGE DELIVERY AND MOBILIZATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

1200010	MOBILIZE BARGE W/GATE	Quan: 2.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1				
CR5M	CRANE, 5-MEN	20.00	CH	Prod: 10.0000 HU	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	20.00 HR	86.044		1,721				1,721
NCOE31	Oper Crane >100tn, G	1.00	20.00 MH	37.990	1,593					1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00 MH	28.730	1,314					1,314

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total

BID ITEM = 2010 CLIENT# = 2.1 Land Item SCHEDULE: 1 100
Description = GENERAL MOBILIZATION & DEMOBILIZATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

10001	MOB/DEMOB AT YARD			Quan:	8.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1	
Allow 4 shift to mob and 4 shift to demob at yard.										
CRB7M	DERRICK, 7MEN		80.00	CH	Prod: 10.0000 HU		Lab Pcs: 7.00	Eqp Pcs: 5.00		
8BAD04	Crane Barge w/200tn	1.00	80.00	HR	523.000		5,840	36,000		41,840
8BAR10	Flat Barge - 1000tn	1.00	80.00	HR	85.227		6,818			6,818
8CO250	Compressor 250 CFM	1.00	80.00	HR	20.382		1,176	455		1,631

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 2010		CLIENT# = 2.1		Land Item	SCHEDULE: 1	100				
Description = GENERAL MOBILIZATION & DEMOBILIZATION					Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000	
8WE400	Welder-DSL 400 amp	2.00	160.00	HR	18.800			2,208	800	3,008
NCOE31	Oper Crane >100tn, G	1.00	80.00	MH	37.990	6,373				6,373
NCOE38	Oper Oiler, GR 1A	1.00	80.00	MH	28.730	5,255				5,255
NCPD01	Piledriver Foreman	1.00	80.00	MH	37.290	6,462				6,462
NCPD02	Piledriverman	4.00	320.00	MH	33.900	24,210				24,210
\$95,596.40	70.0000 MH/SH	560.0000	MH	[2714.781]		42,300	16,042	37,255		95,596
0.1000	Units/H	1.0000	Un/Shift	0.0143	Unit/M	5,287.46	2,005.27	4,656.82		11,949.55

10003 MOB/DEMOB WATER EQUIPMENT Quan: 4.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

Tow derrick #1 from Rio Vista to jobsite, 15hr one way
Tow derrick #2 from " " 15hr one way
One return tow for each derrick.

8TUG15	Tugboat 1500 HP	60.00	HR	400.000			24,000			24,000
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10004 MOB/DEMOB LAND EQUIPMENT Quan: 2.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

8500	Mob/demob Equip	1.00	2.00 EA	540.000			1,080			1,080
8504	Mob/Demob Compact	1.00	2.00 EA	360.000			720			720
8508	Mob/Demob Dozer	1.00	2.00 EA	360.000			720			720
8512	Mob/Demob Grader	1.00	2.00 EA	540.000			1,080			1,080
8515	Mob/Demob Hydro C	1.00	2.00 EA	540.000			1,080			1,080
8517	Mob/Demob Loader	1.00	2.00 EA	540.000			1,080			1,080
8519	Mob/Demob Pump	1.00	2.00 EA	360.000			720			720
8520	Mob/Demob Trailer	1.00	2.00 EA	200.000			400			400
8521	Mob/Demob Vibro	1.00	2.00 EA	360.000			720			720
\$7,600.00				[]			7,600			7,600
							3,800.00			3,800.00

10008 MOB/DEMOB AT JOBSITE Quan: 4.00 SH Hrs/Shft: 10.00 Cal: 510 WC:1

<u>CRB7M</u>	DERRICK, 7MEN	40.00	CH	Prod: 10.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
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COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2010	CLIENT# = 2.1	Land Item	SCHEDULE: 1	100						
Description = GENERAL MOBILIZATION & DEMOBILIZATION				Unit = LS	Takeoff	Quan:	1.000	Engr	Quan:	1.000
8BAD04	Crane Barge w/200tn	1.00	40.00 HR	523.000			2,920		18,000	20,920
8BAR10	Flat Barge - 1000tn	1.00	40.00 HR	85.227			3,409			3,409
8CO250	Compressor 250 CFM	1.00	40.00 HR	20.382			588		227	815
8WE400	Welder-DSL 400 amp	2.00	80.00 HR	18.800			1,104		400	1,504
NCOE31	Oper Crane >100tn, G	1.00	40.00 MH	37.990	3,186					3,186
NCOE38	Oper Oiler, GR 1A	1.00	40.00 MH	28.730	2,628					2,628
NCPD01	Piledriver Foreman	1.00	40.00 MH	37.290	3,231					3,231
NCPD02	Piledriverman	4.00	160.00 MH	33.900	12,105					12,105
\$47,798.22	70.0000 MH/SH	280.0000	MH	[2714.783]	21,150		8,021		18,627	47,798
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.47		2,005.27		4,656.82	11,949.56
10010	CLEAR & GRUB AT JOBSITE			Quan: 2.76 ACRE	Hrs/Shft: 10.00	Cal: 510	WC: 1			
2ea(600' X 100') = 120,000 sf. 120,000sf/43,560sf/acre = 2.76 acre.										
4CLE00	Sub to Clear & Grub		2.76 ACRE	5,000.000					13,800	13,800
10020	CONSTR. ACCESS RD			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1			
150' x 25' x .5'/27 = 70cy. 70cy x 1.62tn/cy = 113tn										
113tn / 20tn/ld = 6lds x 3hr/ld = 18hr										
DOZ10	DOZER, 1 OPER		20.00 CH	Prod: 20.0000 HU	Lab Pcs:	1.00	Eqp Pcs:	1.00		
2BASE CLII	Aggregate Base@109.		113.00 TN	9.000	1,111					1,111
8DOZ06	Dozer-CAT D6D	1.00	20.00 HR	53.389		1,068				1,068
8TKD20	Dump Truck-Semi En		18.00 HR	95.000		1,710				1,710
NCOE13	Oper Dozer, GR 4	1.00	20.00 MH	32.380	1,424					1,424
\$5,312.79	20.0000 MH/LS	20.0000	MH	[733.73]	1,424	1,111	2,778			5,313
0.0500	Units/H	0.5000	Un/Shift	0.0500 Unit/M	1,423.94	1,111.07	2,777.78			5,312.79
10030	HYDROSEED			Quan: 2.76 ACRE	Hrs/Shft: 10.00	Cal: 510	WC: 1			
4HYD00	hydroseeding		2.76 ACRE	1,500.000					4,140	4,140

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 2010	CLIENT# = 2.1	Land Item	SCHEDULE: 1	100						
Description = GENERAL MOBILIZATION & DEMOBILIZATION	Unit = LS		Takeoff Quan:	1.000	Engr Quan:	1.000				
=====> Item Totals: 2010 - GENERAL MOBILIZATION & DEMOBILIZATION										
\$198,247.41	860.0000 MH/LS	860.00 MH	[33311.11]	64,873	1,111	58,441		55,882	17,940	198,247
198,247.410	1 LS			64,873.48	1,111.07	58,441.02		55,881.84	17,940.00	198,247.41

BID ITEM = 2020	CLIENT# = 2.2	Land Item	SCHEDULE: 1	100						
Description = RIVER SHEET PILE WALL	Unit = LF		Takeoff Quan:	644.000	Engr Quan:	644.000				

215005	PURCHASE SHEET PILE	Quan: 36,842.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
57 ft sheets.										
2SHEETS AZ13	Sheet pile AZ1@109.	807,556.02 LB	0.900		794,029					794,029
3FREIGHT	Freight Allowance	1.00 LS	15,000.000			15,000				15,000
\$809,029.46			[]		794,029	15,000				809,029
					21.55	0.41				21.96

215010	FURNISH MISC MATERIALS	Quan: 1.00	LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
See river sheet pile takeoff.										
2HARDWARE	Bolts, Nuts & @109.2	40.00 LB	3.500		153					153
2RUB FENDER	MWG 4"X6-1/2" @1	120.00 LF	20.000		2,622					2,622
2STEEL PLATE	Misc Steel Pla@109.2	4,400.00 LB	0.550		2,644					2,644
\$5,418.80			[]		5,419					5,419
					5,418.80					5,418.80

215012	COAT SHEET PILE	Quan: 17,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
10ft X 149pr x 10.83 sf/pr = 16,136 sf. Say 17,000sf										
3FREIGHT	Freight Allowance	1.00 LS	7,600.000			7,600				7,600
4PAI00	Painting Sub	17,000.00 SF	4.000					68,000		68,000
\$75,600.00			[]			7,600		68,000		75,600

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2020	CLIENT# = 2.2		Land Item	SCHEDULE: 1						
Description = RIVER SHEET PILE WALL			Unit = LF	Takeoff Quan:	644.000	Engr Quan:	644.000			
						0.45			4.00	4.45
215015	DUNNAGE			Quan: 8.50 MBFM	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Furnish 6x6 dunnage to stack sheet pile. 142pr x 5ft x 4ea x 3bf/1f = 8,520bf										
3DUNNAGE	Dunnage	8.52	MBM	900.000			7,668			7,668
215020	UNLOAD & LOAD SHEET PILE			Quan: 403.80 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
At contractor's yard.										
<u>CR5M</u>	CRANE, 5-MEN	20.19	CH	Prod: 20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	20.19 HR	86.044			1,737			1,737
NCOE31	Oper Crane >100tn, G	1.00	20.19 MH	37.990	1,608					1,608
NCOE38	Oper Oiler, GR 1A	1.00	20.19 MH	28.730	1,326					1,326
NCPD01	Piledriver Foreman	1.00	20.19 MH	37.290	1,631					1,631
NCPD02	Piledriverman	2.00	40.38 MH	33.900	3,055					3,055
\$9,357.56	0.2500 MH/TN	100.9500	MH	[9.733]	7,620		1,737			9,358
20.0000	Units/H*	200.0000	Un/Shift	4.0000 Unit/M	18.87		4.30			23.17
215025	TRANSPORT SHEETPILE - BARGE			Quan: 403.80 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Tug tie up to barge-----.5hr tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr Tug drop barge at jobsite-----0.5hr Tug return light to port-----7.0hr ----- Total 15.6hr, Say 16hr but allow only 1/2 the time here.										
8TUG15	Tugboat 1500 HP	8.00	HR	400.000			3,200			3,200
215030	RIG MOVES			Quan: 2.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Move rig from one side of river to other.										
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	8.00	CH	Prod: 4.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2020	CLIENT# = 2.2		Land Item	SCHEDULE: 1	100					
Description = RIVER SHEET PILE WALL				Unit = LF	Takeoff Quan:	644.000	Engr Quan:	644.000		
8BAD04	Crane Barge w/200tn	1.00	8.00 HR	523.000			584	3,600		4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00 HR	85.227			682			682
8BOD02	Crewboat "Joey" - Du	1.00	8.00 HR	66.009			301	227		528
8CO250	Compressor 250 CFM	1.00	8.00 HR	20.382			118	45		163
8HAD46	Hammer Delmag D46	1.00	8.00 HR	100.135			801			801
8HAVE3	Vibratory Extractor -	1.00	8.00 HR	96.537			772			772
8WE400	Welder-DSL 400 amp	1.00	8.00 HR	18.800			110	40		150
NCOE31	Oper Crane >100tn, G	1.00	8.00 MH	37.990	637					637
NCOE38	Oper Oiler, GR 1A	1.00	8.00 MH	28.730	526					526
NCPD01	Piledriver Foreman	1.00	8.00 MH	37.290	646					646
NCPD02	Piledriverman	4.00	32.00 MH	33.900	2,421					2,421
\$11,510.68	28.0000 MH/EA	56.0000	MH	[1085.91]	4,230	3,368		3,913		11,511
0.2500	Units/H	2.5000	Un/Shift	0.0357 Unit/M	2,114.99	1,683.99		1,956.36		5,755.34
215035	RIG UP & DOWN			Quan: 2.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Rig up with different hammer.										
PDDER1	PD DERRICK, 7MEN - D46		8.00 CH	Prod: 4.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	8.00 HR	523.000			584	3,600		4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00 HR	85.227			682			682
8BOD02	Crewboat "Joey" - Du	1.00	8.00 HR	66.009			301	227		528
8CO250	Compressor 250 CFM	1.00	8.00 HR	20.382			118	45		163
8HAD46	Hammer Delmag D46	1.00	8.00 HR	100.135			801			801
8HAVE3	Vibratory Extractor -	1.00	8.00 HR	96.537			772			772
8WE400	Welder-DSL 400 amp	1.00	8.00 HR	18.800			110	40		150
NCOE31	Oper Crane >100tn, G	1.00	8.00 MH	37.990	637					637
NCOE38	Oper Oiler, GR 1A	1.00	8.00 MH	28.730	526					526
NCPD01	Piledriver Foreman	1.00	8.00 MH	37.290	646					646
NCPD02	Piledriverman	4.00	32.00 MH	33.900	2,421					2,421
\$11,510.68	28.0000 MH/EA	56.0000	MH	[1085.91]	4,230	3,368		3,913		11,511

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2020	CLIENT# = 2.2		Land Item	SCHEDULE: 1	100					
Description = RIVER SHEET PILE WALL			Unit = LF	Takeoff Quan:	644.000	Engr Quan:	644.000			
0.2500 Units/H	2.5000 Un/Shift		0.0357 Unit/M		2,114.99	1,683.99		1,956.36		5,755.34
215040	FABRICATE TEMPLATE			Quan: 7,000.00 LB	Hrs/Shft: 10.00	Cal: 510	WC:1			
Fabricate sheet pile driving template at yard. Furnish temporary template material and temporary pipe pile. HP14X73-----2ea x 40ft x 73lb/ft = 5,840 lb say 7,000 lb 16" x 3/4th. Temp. Pipe Pile---2ea x 60ft x 120 lb/ft = 14,400 lb										
<u>WELC2M</u>	WELDING CREW W/ CRANE, 2-ME	24.00	CH	Prod: 291.6667 UH	Lab Pcs:	3.00	Eqp Pcs:	3.00		
3OXY00	Oxygen & Acetylene	3.00	SH	50.000		150				150
3TEMP PILE	Temp. Pipe Pile	14,400.00	LB	0.550		7,920				7,920
3TEMPLATE	Driving Template, Sh	7,000.00	LB	0.550		3,850				3,850
3WEL00	Welding Mat'ls	3.00	SH	100.000		300				300
8CRH40	Crane Hydro-40tn	1.00	24.00 HR	64.541		1,549				1,549
8WE200	Welder-DSL 200 amp	2.00	48.00 HR	14.765		611		98		709
NCOE37	Oper Crane <45tn, G	1.00	24.00 MH	34.490	1,785					1,785
NCPD02	Piledriverman	2.00	48.00 MH	33.900	3,632					3,632
\$19,894.32	0.0102 MH/LB	72.0000	MH	[0.397]	5,417	14,380		98		19,894
291.6667 Units/H*	2,916.6667 Un/Shift		97.2223 Unit/M		0.77	2.05		0.01		2.84
215045	DRIVE TEMPORARY PILE			Quan: 16.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:1			
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	16.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	16.00 HR	523.000		1,168		7,200		8,368
8BAR10	Flat Barge - 1000tn	1.00	16.00 HR	85.227		1,364				1,364
8BOD02	Crewboat "Joey" - Du	1.00	16.00 HR	66.009		602		455		1,056
8CO250	Compressor 250 CFM	1.00	16.00 HR	20.382		235		91		326
8HAD46	Hammer Delmag D46	1.00	16.00 HR	100.135		1,602				1,602
8HAVE3	Vibratory Extractor -	1.00	16.00 HR	96.537		1,545				1,545
8WE400	Welder-DSL 400 amp	1.00	16.00 HR	18.800		221		80		301
NCOE31	Oper Crane >100tn, G	1.00	16.00 MH	37.990	1,275					1,275
NCOE38	Oper Oiler, GR 1A	1.00	16.00 MH	28.730	1,051					1,051

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2020	CLIENT# = 2.2	Land Item	SCHEDULE: 1	100						
Description = RIVER SHEET PILE WALL		Unit = LF	Takeoff Quan:	644.000	Engr Quan:	644.000				
NCPD01	Piledriver Foreman	1.00	16.00 MH	37.290	1,292					1,292
NCPD02	Piledriverman	4.00	64.00 MH	33.900	4,842					4,842
\$23,021.35	7.0000 MH/EA	112.0000	MH	[271.478]	8,460	6,736		7,825		23,021
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.83

215050	HANDLE/PLACE TEMPLATE	Quan: 16.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	16.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	16.00 HR	523.000		1,168		7,200		8,368
8BAR10	Flat Barge - 1000tn	1.00	16.00 HR	85.227		1,364				1,364
8BOD02	Crewboat "Joey" - Du	1.00	16.00 HR	66.009		602		455		1,056
8CO250	Compressor 250 CFM	1.00	16.00 HR	20.382		235		91		326
8HAD46	Hammer Delmag D46	1.00	16.00 HR	100.135		1,602				1,602
8HAVE3	Vibratory Extractor -	1.00	16.00 HR	96.537		1,545				1,545
8WE400	Welder-DSL 400 amp	1.00	16.00 HR	18.800		221		80		301
NCOE31	Oper Crane >100tn, G	1.00	16.00 MH	37.990	1,275					1,275
NCOE38	Oper Oiler, GR 1A	1.00	16.00 MH	28.730	1,051					1,051
NCPD01	Piledriver Foreman	1.00	16.00 MH	37.290	1,292					1,292
NCPD02	Piledriverman	4.00	64.00 MH	33.900	4,842					4,842
\$23,021.35	7.0000 MH/EA	112.0000	MH	[271.478]	8,460	6,736		7,825		23,021
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.83

215053	WELD END PLATES TO SHEETS				Quan: 127.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: 1		
See sheet C64/3. Weld end plates to sheet pile with 1/4" fillet.										
<u>WELC4M</u>	WELDING CREW W/ CRANE, 4-ME			15.87	CH	Prod: 8.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 5.00		
3WEL00	Welding Mat'ls	8.00	SH	100.000			800			800
8CRH40	Crane Hydro-40tn	1.00	15.88	HR	64.541			1,025	1,025	
8WE200	Welder-DSL 200 amp	4.00	63.50	HR	14.765			808	130	938
NCOE37	Oper Crane <45tn, G	1.00	15.88	MH	34.490			1,181	1,181	
NCPD02	Piledriverman	4.00	63.50	MH	33.900			4,804	4,804	

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 2020 CLIENT# = 2.2 Land Item SCHEDULE: 1 100
Description = RIVER SHEET PILE WALL Unit = LF Takeoff Quan: 644.000 Engr Quan: 644.000

\$8,747.81	0.6250 MH/LF	79.3800	MH	[24.091]	5,985	2,633		130		8,748
8.0025	Units/H*	80.0252	Un/Shift	1.5999 Unit/M	47.13	20.73		1.02		68.88

215055 DRIVE WATER SHEETPILE Quan: 147.00 PR Hrs/Shft: 10.00 Cal: 510 WC: 1

PDDER1	PD DERRICK, 7MEN - D46	73.50	CH	Prod: 2.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	73.50 HR	523.000		5,366		33,075	38,441
8BAR10	Flat Barge - 1000tn	1.00	73.50 HR	85.227		6,264			6,264
8BOD02	Crewboat "Joey" - Du	1.00	73.50 HR	66.009		2,764		2,088	4,852
8CO250	Compressor 250 CFM	1.00	73.50 HR	20.382		1,080		418	1,498
8HAD46	Hammer Delmag D46	1.00	73.50 HR	100.135		7,360			7,360
8HAVE3	Vibratory Extractor -	1.00	73.50 HR	96.537		7,095			7,095
8WE400	Welder-DSL 400 amp	1.00	73.50 HR	18.800		1,014		368	1,382
NCOE31	Oper Crane >100tn, G	1.00	73.50 MH	37.990	5,855				5,855
NCOE38	Oper Oiler, GR 1A	1.00	73.50 MH	28.730	4,828				4,828
NCPD01	Piledriver Foreman	1.00	73.50 MH	37.290	5,937				5,937
NCPD02	Piledriverman	4.00	294.00 MH	33.900	22,243				22,243
\$105,754.43	3.5000 MH/PR	514.5000	MH	[135.739]	38,863	30,943		35,948	105,754
2.0000	Units/H*	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50		244.55	719.42

215060 REMOVE TEMPORARY PIPE PILE Quan: 16.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

PDDER1	PD DERRICK, 7MEN - D46	16.00	CH	Prod: 1.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	16.00 HR	523.000		1,168		7,200	8,368
8BAR10	Flat Barge - 1000tn	1.00	16.00 HR	85.227		1,364			1,364
8BOD02	Crewboat "Joey" - Du	1.00	16.00 HR	66.009		602		455	1,056
8CO250	Compressor 250 CFM	1.00	16.00 HR	20.382		235		91	326
8HAD46	Hammer Delmag D46	1.00	16.00 HR	100.135		1,602			1,602
8HAVE3	Vibratory Extractor -	1.00	16.00 HR	96.537		1,545			1,545
8WE400	Welder-DSL 400 amp	1.00	16.00 HR	18.800		221		80	301
NCOE31	Oper Crane >100tn, G	1.00	16.00 MH	37.990	1,275				1,275

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2020	CLIENT# = 2.2		Land Item	SCHEDULE: 1						
Description = RIVER SHEET PILE WALL			Unit = LF	Takeoff Quan:	644.000	Engr Quan:	644.000			
NCOE38	Oper Oiler, GR 1A	1.00	16.00 MH	28.730	1,051					1,051
NCPD01	Piledriver Foreman	1.00	16.00 MH	37.290	1,292					1,292
NCPD02	Piledriverman	4.00	64.00 MH	33.900	4,842					4,842
\$23,021.35	7.0000 MH/EA	112.0000	MH	[271.478]	8,460	6,736		7,825		23,021
1.0000	Units/H*	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.83
220005	FURN PIPE PILE A252,GR2 36"X.750			Quan: 2,400.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
See sheet C7 and C8. Furnish pipe pile, FOB PLANT.										
2PIPE PILE36	Pipe Pile - 36@109.2	686,480.63	LB	0.710	532,486					532,486
3FREIGHT	Freight Allowance	1.00	LS	13,000.000		13,000				13,000
\$545,485.86				[]	532,486	13,000				545,486
					221.87	5.42				227.29
220010	BACKUP RINGS			Quan: 32.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Say .375in th. 3'x3.1415 = 9.42ft x .12ft = 1.13sf/ea 15.3lb/sf x 1.13sf/ea = 17.3lb/ea 17.3lb/ea x 32ea = 554 lb										
2BACKUP RING	Backup Ring - @109.	32.00	EA	35.000	1,224					1,224
220015	COAT KING PILE			Quan: 4,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
13ft x 9.42sf/1f x 31ea = 3,796sf. Say 4,000sf										
4PAI00	Painting Sub	4,000.00	SF	4.000					16,000	16,000
220020	UNLOAD PIPE PILE AT YARD			Quan: 338.00 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
<u>CR5M</u>	CRANE, 5-MEN	16.90	CH	Prod: 20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	16.90 HR	86.044		1,454				1,454
NCOE31	Oper Crane >100tn, G	1.00	16.90 MH	37.990	1,346					1,346
NCOE38	Oper Oiler, GR 1A	1.00	16.90 MH	28.730	1,110					1,110
NCPD01	Piledriver Foreman	1.00	16.90 MH	37.290	1,365					1,365
NCPD02	Piledriverman	2.00	33.80 MH	33.900	2,557					2,557

Activity	Description	Quantity	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

220025	SPLICE PIPE PILE ON GROUND	Quan: 302.00 LF	Hrs/Shft: 10.00	Cal: 510 WC: 1
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220035	LOAD PIPE PILE ON BARGE	Quan:	30.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	1
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220040	TRANSPORT PIPE PILE - BARGE	Quan: 338.00 TN	Hrs/Shft: 10.00	Cal: 510 WC:1
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tug tie up to barge-----.5hr
tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2020	CLIENT# = 2.2	Land Item	SCHEDULE: 1	100						
Description = RIVER SHEET PILE WALL		Unit = LF	Takeoff Quan:	644.000	Engr Quan:	644.000				
Tug drop barge at jobsite-----0.5hr										
Tug return light to port-----7.0hr										

Total 15.6hr, Say 16hr but allow only 1/2 the time here.										
8TUG15	Tugboat 1500 HP	8.00	HR	400.000			3,200			3,200
220045	RIG UP & DOWN	Quan:	2.00	EA	Hrs/Shift: 10.00	Cal: 510	WC: 1			
Change driving heads from sheet pile to pipe pile.										
PDDER1	PD DERRICK, 7MEN - D46	0.66	CH	Prod: 3.0000	UH	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	0.67	HR	523.000		49		302	350
8BAR10	Flat Barge - 1000tn	1.00	0.67	HR	85.227		57			57
8BOD02	Crewboat "Joey" - Du	1.00	0.67	HR	66.009		25		19	44
8CO250	Compressor 250 CFM	1.00	0.67	HR	20.382		10		4	14
8HAD46	Hammer Delmag D46	1.00	0.67	HR	100.135		67			67
8HAVE3	Vibratory Extractor -	1.00	0.67	HR	96.537		65			65
8WE400	Welder-DSL 400 amp	1.00	0.67	HR	18.800		9		3	13
NCOE31	Oper Crane >100tn, G	1.00	0.67	MH	37.990	53				53
NCOE38	Oper Oiler, GR 1A	1.00	0.67	MH	28.730	44				44
NCPD01	Piledriver Foreman	1.00	0.67	MH	37.290	54				54
NCPD02	Piledriverman	4.00	2.67	MH	33.900	202				202
\$963.19	2.3400 MH/EA	4.6800	MH	[90.745]	354	282		328		963
3.0303	Units/H*	30.3030	Un/Shift	0.4274	Unit/M	176.75	141.01	163.84		481.60
220050	DRIVE KING PIPE PILE	Quan:	30.00	EA	Hrs/Shift: 10.00	Cal: 510	WC: 1			
PDDER1	PD DERRICK, 7MEN - D46	30.00	CH	Prod: 1.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	30.00	HR	523.000		2,190		13,500	15,690
8BAR10	Flat Barge - 1000tn	1.00	30.00	HR	85.227		2,557			2,557
8BOD02	Crewboat "Joey" - Du	1.00	30.00	HR	66.009		1,128		852	1,980
8CO250	Compressor 250 CFM	1.00	30.00	HR	20.382		441		170	611
8HAD46	Hammer Delmag D46	1.00	30.00	HR	100.135		3,004			3,004

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2020	CLIENT# = 2.2		Land Item	SCHEDULE: 1						
Description = RIVER SHEET PILE WALL			Unit = LF	Takeoff Quan:	644.000	Engr Quan:	644.000			
8HAVE3	Vibratory Extractor -	1.00	30.00 HR	96.537		2,896				2,896
8WE400	Welder-DSL 400 amp	1.00	30.00 HR	18.800		414		150		564
NCOE31	Oper Crane >100tn, G	1.00	30.00 MH	37.990	2,390					2,390
NCOE38	Oper Oiler, GR 1A	1.00	30.00 MH	28.730	1,971					1,971
NCPD01	Piledriver Foreman	1.00	30.00 MH	37.290	2,423					2,423
NCPD02	Piledriverman	4.00	120.00 MH	33.900	9,079					9,079
\$43,165.06	7.0000 MH/EA	210.0000	MH	[271.478]	15,862	12,630		14,673		43,165
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84
220055	CUTOFF PIPE PILE - WATER			Quan: 8.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Allowance for cutting off 25% of the pile.										
<u>2P</u>	2-MAN PD CREW		8.00 CH	Prod: 1.0000 UH	Lab Pcs:	2.00	Eqp Pcs:	0.00		
3OXY00	Oxygen & Acetylene		1.33 SH	50.000		67				67
NCPD02	Piledriverman	2.00	16.00 MH	33.900	1,211					1,211
\$1,277.00	2.0000 MH/EA	16.0000	MH	[76.818]	1,211	67				1,277
1.0000	Units/H*	10.0000	Un/Shift	0.5000 Unit/M	151.31	8.31				159.63
225010	FURN WALER SYSTEM			Quan: 128,800.00 LB	Hrs/Shft: 10.00	Cal: 510	WC: 1			
2COLLAR/BRKT	Pile Collar & @109.2	37,960.00	LB	4.500	186,621					186,621
2HARDWARE	Bolts, Nuts & @109.2	2,475.00	LB	3.500	9,464					9,464
2NEO PAD 1	Neoprene Pad 1@109	28.00	SF	30.000	918					918
2NEO PAD 3	Neoprene Pad 3@109	37.00	SF	90.000	3,638					3,638
2NEP SHT 1/4	Neoprene Sheet@109	560.00	SF	7.000	4,283					4,283
2TIE ROD	Tie-Rod and Nu@109	1,100.00	LB	4.500	5,408					5,408
2WALER SYS	Steel Waler Ma@109.	87,400.00	LB	0.550	52,516					52,516
3FREIGHT	Freight Allowance	1.00	LS	2,400.000		2,400				2,400
\$265,247.32				[]	262,847	2,400				265,247
					2.04	0.02				2.06

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
BID ITEM = 2020	CLIENT# = 2.2		Land Item	SCHEDULE: 1	100						
Description = RIVER SHEET PILE WALL				Unit = LF	Takeoff Quan:	644.000	Engr Quan:		644.000		
225015	COAT WALER MATERIALS			Quan: 9,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
2208	1f x 3.45 sf/1f = 7,618 sf	Say 9,000sf	with misc.								
3FREIGHT	Freight Allowance	1.00	LS	1,600.000			1,600				1,600
4PAI00	Painting Sub	9,000.00	SF	4.000						36,000	36,000
				[]			1,600			36,000	37,600
							0.18			4.00	4.18
225020	TRANSPORT WALER MAT'L - TRUCK			Quan: 64.40	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Say three loads. 3ea x 4hr/1d = 12hr											
8TKFB0	Truck-Flatbed	13.22	HR	95.000			1,256				1,256
225030	UNLOAD/LOAD WALER MATERIAL			Quan: 64.40	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Unload materials from trucks and load on barge.											
CR5M	CRANE, 5-MEN	3.22	CH	Prod: 20.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 1.00				
8CRC10	Crane Crawler-100tn	1.00	3.22	HR	86.044		277				277
NCOE31	Oper Crane >100tn, G	1.00	3.22	MH	37.990	257					257
NCOE38	Oper Oiler, GR 1A	1.00	3.22	MH	28.730	212					212
NCPD01	Piledriver Foreman	1.00	3.22	MH	37.290	260					260
NCPD02	Piledriverman	2.00	6.44	MH	33.900	487					487
\$1,492.37	0.2500 MH/TN	16.1000	MH	[9.733]	1,215	277					1,492
20.0000	Units/H*	200.0000	Un/Shift	4.0000	Unit/M	18.87	4.30				23.17
225040	FABRICATE WALER MATERIAL			Quan: 1,160.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Allow 40hrs to sort and cut waler to length and weld stiffeners.											
WELC4M	WELDING CREW W/ CRANE, 4-ME	37.41	CH	Prod: 31.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 5.00				
8CRH40	Crane Hydro-40tn	1.00	37.42	HR	64.541		2,415				2,415
8WE200	Welder-DSL 200 amp	4.00	149.68	HR	14.765		1,904		306		2,210
NCOE37	Oper Crane <45tn, G	1.00	37.42	MH	34.490	2,783					2,783
NCPD02	Piledriverman	4.00	149.68	MH	33.900	11,324					11,324

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 2020 CLIENT# = 2.2 Land Item SCHEDULE: 1 100
Description = RIVER SHEET PILE WALL Unit = LF Takeoff Quan: 644.000 Engr Quan: 644.000

\$18,732.70	0.1612 MH/LF	187.1000	MH	[6.217]	14,108	4,319	306	18,733
31.0078	Units/H*	310.0775	Un/Shift	6.1999 Unit/M	12.16	3.72	0.26	16.15

225050 RIG MOVES Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

Move from long wall to end wall at both sides of channel.

CRB7M	DERRICK, 7MEN	1.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00	
8BAD04	Crane Barge w/200tn	1.00	1.00 HR	523.000		73	450	523	
8BAR10	Flat Barge - 1000tn	1.00	1.00 HR	85.227		85		85	
8CO250	Compressor 250 CFM	1.00	1.00 HR	20.382		15	6	20	
8WE400	Welder-DSL 400 amp	2.00	2.00 HR	18.800		28	10	38	
NCOE31	Oper Crane >100tn, G	1.00	1.00 MH	37.990	80			80	
NCOE38	Oper Oiler, GR 1A	1.00	1.00 MH	28.730	66			66	
NCPD01	Piledriver Foreman	1.00	1.00 MH	37.290	81			81	
NCPD02	Piledriverman	4.00	4.00 MH	33.900	303			303	
\$1,194.94	7.0000 MH/EA	7.0000	MH	[271.46]	529	201	466	1,195	
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.74	200.52	465.68	1,194.94	

225060 INSTALL PILE COLLARS & TIE-RODS Quan: 21.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

CRB7M	DERRICK, 7MEN	42.00	CH	Prod: 2.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00	
8BAD04	Crane Barge w/200tn	1.00	42.00 HR	523.000		3,066	18,900	21,966	
8BAR10	Flat Barge - 1000tn	1.00	42.00 HR	85.227		3,580		3,580	
8CO250	Compressor 250 CFM	1.00	42.00 HR	20.382		617	239	856	
8WE400	Welder-DSL 400 amp	2.00	84.00 HR	18.800		1,159	420	1,579	
NCOE31	Oper Crane >100tn, G	1.00	42.00 MH	37.990	3,346			3,346	
NCOE38	Oper Oiler, GR 1A	1.00	42.00 MH	28.730	2,759			2,759	
NCPD01	Piledriver Foreman	1.00	42.00 MH	37.290	3,392			3,392	
NCPD02	Piledriverman	4.00	168.00 MH	33.900	12,710			12,710	
\$50,188.10	14.0000 MH/EA	294.0000	MH	[542.957]	22,207	8,422	19,559	50,188	
0.5000	Units/H	5.0000	Un/Shift	0.0714 Unit/M	1,057.49	401.05	931.36	2,389.91	

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2020 CLIENT# = 2.2 Land Item SCHEDULE: 1 100 Description = RIVER SHEET PILE WALL Unit = LF Takeoff Quan: 644.000 Engr Quan: 644.000										
225070	INSTALL WALER	Quan: 1,160.00 LF		Hrs/Shft: 10.00		Cal: 510 WC:1				
<u>CRB7M</u>	DERRICK, 7MEN	77.33	CH	Prod: 15.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	77.33 HR	523.000		5,645		34,799		40,444
8BAR10	Flat Barge - 1000tn	1.00	77.33 HR	85.227		6,591				6,591
8CO250	Compressor 250 CFM	1.00	77.33 HR	20.382		1,137		439		1,576
8WE400	Welder-DSL 400 amp	2.00	154.67 HR	18.800		2,134		773		2,908
NCOE31	Oper Crane >100tn, G	1.00	77.33 MH	37.990	6,160					6,160
NCOE38	Oper Oiler, GR 1A	1.00	77.33 MH	28.730	5,080					5,080
NCPD01	Piledriver Foreman	1.00	77.33 MH	37.290	6,246					6,246
NCPD02	Piledriverman	4.00	309.33 MH	33.900	23,403					23,403
\$92,406.79	0.4666 MH/LF	541.3200	MH	[18.098]	40,889	15,507		36,011		92,407
15.0006	Units/H*	150.0065	Un/Shift	2.1429 Unit/M	35.25	13.37		31.04		79.66
=====> Item Totals: 2020 - RIVER SHEET PILE WALL										
\$2,269,621.27	4.6436 MH/LF	2,990.53	MH	[179.883]	225,772	1,596,005	188,406	139,438	120,000	2,269,621
3,524.257	644 LF				350.58	2,478.27	292.56	216.52	186.34	3,524.26

BID ITEM = 2030 CLIENT# = 2.3 Land Item SCHEDULE: 1 100
Description = LEVEE SHEET PILE WALLS, AZ 13 Unit = LF Takeoff Quan: 196.000 Engr Quan: 196.000

71500	PURCHASE SHEET PILE			Quan: 10,777.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1
52 & 55ft sheets.								
2SHEETS AZ13	Sheet pile AZ1@109.	236,225.50	LB	0.900		232,269		232,269
3FREIGHT	Freight Allowance	1.00	LS	5,000.000			5,000	5,000
\$237,268.72				[]		232,269	5,000	237,269
						21.55	0.46	22.02

Activity	Description	Quantity	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
				Cost					Total

71533	DUNNAGE	Quan:	3.00	MBFM	Hrs/Shft:	10.00	Cal:	510	WC:	1
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3DUNNAGE	Dunnage	3.01 MBM	900.000	2,709	2,709
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71534 UNLOAD & LOAD SHEET PILE Quan: 118.00 TN Hrs/Shft: 10.00 Cal: 510 WC:1

<u>CR5M</u>	CRANE, 5-MEN	5.90	CH	Prod: 20.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 1.00
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20.0000	Units/H*	200.0000	Un/Shift	4.0000	Unit/M	18.87	4.30	23.17
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71536	TRANSPORT SHEETPILE - BARGE	Quan:	0.01	HR	Hrs/Shft:	10.00	Cal:	510	WC:	1
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8TUG15	Tugboat 1500 HP	0.01 HR	400.000	4	4
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71552	RIG MOVES	Quan: 2.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1
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<u>PDDER1</u>	PD DERRICK, 7MEN - D46	8.00	CH	Prod: 4.0000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00
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8BAD04	Crane Barge w/200tn	1.00	8.00 HR	523.000	584	3,600	4,184
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COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	
BID ITEM = 2030	CLIENT# = 2.3	Land Item	SCHEDULE: 1	100						
Description = LEVEE SHEET PILE WALLS, AZ 13		Unit = LF	Takeoff Quan:	196.000	Engr Quan:	196.000				
8BAR10	Flat Barge - 1000tn	1.00	8.00 HR	85.227		682				682
8BOD02	Crewboat "Joey" - Du	1.00	8.00 HR	66.009		301		227		528
8CO250	Compressor 250 CFM	1.00	8.00 HR	20.382		118		45		163
8HAD46	Hammer Delmag D46	1.00	8.00 HR	100.135		801				801
8HAVE3	Vibratory Extractor -	1.00	8.00 HR	96.537		772				772
8WE400	Welder-DSL 400 amp	1.00	8.00 HR	18.800		110		40		150
NCOE31	Oper Crane >100tn, G	1.00	8.00 MH	37.990	637					637
NCOE38	Oper Oiler, GR 1A	1.00	8.00 MH	28.730	526					526
NCPD01	Piledriver Foreman	1.00	8.00 MH	37.290	646					646
NCPD02	Piledriverman	4.00	32.00 MH	33.900	2,421					2,421
\$11,510.68	28.0000 MH/EA	56.0000	MH	[1085.91]	4,230	3,368		3,913		11,511
0.2500	Units/H	2.5000	Un/Shift	0.0357 Unit/M	2,114.99	1,683.99		1,956.36		5,755.34
71553	RIG UP & DOWN		Quan: 2.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Rig up with different hammer.										
<u>PDDER1</u>	PD DERRICK, 7MEN - D46		8.00 CH	Prod: 4.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	8.00 HR	523.000		584		3,600		4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00 HR	85.227		682				682
8BOD02	Crewboat "Joey" - Du	1.00	8.00 HR	66.009		301		227		528
8CO250	Compressor 250 CFM	1.00	8.00 HR	20.382		118		45		163
8HAD46	Hammer Delmag D46	1.00	8.00 HR	100.135		801				801
8HAVE3	Vibratory Extractor -	1.00	8.00 HR	96.537		772				772
8WE400	Welder-DSL 400 amp	1.00	8.00 HR	18.800		110		40		150
NCOE31	Oper Crane >100tn, G	1.00	8.00 MH	37.990	637					637
NCOE38	Oper Oiler, GR 1A	1.00	8.00 MH	28.730	526					526
NCPD01	Piledriver Foreman	1.00	8.00 MH	37.290	646					646
NCPD02	Piledriverman	4.00	32.00 MH	33.900	2,421					2,421
\$11,510.68	28.0000 MH/EA	56.0000	MH	[1085.91]	4,230	3,368		3,913		11,511
0.2500	Units/H	2.5000	Un/Shift	0.0357 Unit/M	2,114.99	1,683.99		1,956.36		5,755.34

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 2030 CLIENT# = 2.3 Land Item SCHEDULE: 1 100
Description = LEVEE SHEET PILE WALLS, AZ 13 Unit = LF Takeoff Quan: 196.000 Engr Quan: 196.000

71554 FABRICATE TEMPLATE Quan: 0.01 LB Hrs/Shft: 10.00 Cal: 510 WC:1

Use the same template fabricated for waterside sheet pile.
Fabricate sheet pile driving template at yard. Furnish temporary template material and temporary pipe pile.
HP14X73-----2ea x 40ft x 73lb/ft = 5,840 lb say 7,000 lb
16" x 3.4th. Temp. Pipe Pile---2ea x 60ft x 120 lb/ft = 14,400 lb

<u>WELC2M</u>	WELDING CREW W/ CRANE, 2-ME	0.00	CH	Prod: 0.0000 UH	Lab Pcs:	3.00	Eqp Pcs:	3.00		
3OXY00	Oxygen & Acetylene	0.00	SH	50.000						
3TEMP PILE	Temp. Pipe Pile	0.02	LB	0.550						
3TEMPLATE	Driving Template, Sh	0.01	LB	0.550						
3WEL00	Welding Mat'ls	0.00	SH	100.000						
8CRH40	Crane Hydro-40tn	1.00	0.00	HR	64.541					
8WE200	Welder-DSL 200 amp	2.00	0.00	HR	14.765					
NCOE37	Oper Crane <45tn, G	1.00	0.00	MH	34.490					
NCPD02	Piledriverman	2.00	0.00	MH	33.900					
\$0.02				[]						
						2.00				2.00

71556 DRIVE TEMPORARY PILE Quan: 8.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	8.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	8.00	HR	523.000	584	3,600			4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00	HR	85.227	682				682
8BOD02	Crewboat "Joey" - Du	1.00	8.00	HR	66.009	301	227			528
8CO250	Compressor 250 CFM	1.00	8.00	HR	20.382	118	45			163
8HAD46	Hammer Delmag D46	1.00	8.00	HR	100.135	801				801
8HAVE3	Vibratory Extractor -	1.00	8.00	HR	96.537	772				772
8WE400	Welder-DSL 400 amp	1.00	8.00	HR	18.800	110	40			150
NCOE31	Oper Crane >100tn, G	1.00	8.00	MH	37.990	637				637
NCOE38	Oper Oiler, GR 1A	1.00	8.00	MH	28.730	526				526
NCPD01	Piledriver Foreman	1.00	8.00	MH	37.290	646				646

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 2030 CLIENT# = 2.3 Land Item SCHEDULE: 1 100
Description = LEVEE SHEET PILE WALLS, AZ 13 Unit = LF Takeoff Quan: 196.000 Engr Quan: 196.000

NCPD02	Piledriverman	4.00	32.00 MH	33.900	2,421					2,421
\$11,510.68	7.0000 MH/EA	56.0000	MH	[271.478]	4,230	3,368		3,913		11,511
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84

71557 HANDLE/PLACE TEMPLATE Quan: 6.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

PDDER1 PD DERRICK, 7MEN - D46 6.00 CH Prod: 1.0000 HU Lab Pcs: 7.00 Eqp Pcs: 7.00

8BAD04	Crane Barge w/200tn	1.00	6.00 HR	523.000		438		2,700		3,138
8BAR10	Flat Barge - 1000tn	1.00	6.00 HR	85.227		511				511
8BOD02	Crewboat "Joey" - Du	1.00	6.00 HR	66.009		226		170		396
8CO250	Compressor 250 CFM	1.00	6.00 HR	20.382		88		34		122
8HAD46	Hammer Delmag D46	1.00	6.00 HR	100.135		601				601
8HAVE3	Vibratory Extractor -	1.00	6.00 HR	96.537		579				579
8WE400	Welder-DSL 400 amp	1.00	6.00 HR	18.800		83		30		113
NCOE31	Oper Crane >100tn, G	1.00	6.00 MH	37.990	478					478
NCOE38	Oper Oiler, GR 1A	1.00	6.00 MH	28.730	394					394
NCPD01	Piledriver Foreman	1.00	6.00 MH	37.290	485					485
NCPD02	Piledriverman	4.00	24.00 MH	33.900	1,816					1,816
\$8,633.02	7.0000 MH/EA	42.0000	MH	[271.478]	3,172	2,526		2,935		8,633
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84

71571 DRIVE WATER SHEETPILE Quan: 45.00 PR Hrs/Shft: 10.00 Cal: 510 WC: 1

PDDER1 PD DERRICK, 7MEN - D46 22.50 CH Prod: 2.0000 UH Lab Pcs: 7.00 Eqp Pcs: 7.00

8BAD04	Crane Barge w/200tn	1.00	22.50 HR	523.000		1,643		10,125		11,768
8BAR10	Flat Barge - 1000tn	1.00	22.50 HR	85.227		1,918				1,918
8BOD02	Crewboat "Joey" - Du	1.00	22.50 HR	66.009		846		639		1,485
8CO250	Compressor 250 CFM	1.00	22.50 HR	20.382		331		128		459
8HAD46	Hammer Delmag D46	1.00	22.50 HR	100.135		2,253				2,253
8HAVE3	Vibratory Extractor -	1.00	22.50 HR	96.537		2,172				2,172
8WE400	Welder-DSL 400 amp	1.00	22.50 HR	18.800		311		113		423

COST REPORT

Activity	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub- Contract	Total
Resource						Material	Matl/Ex Ownershi	Operatio			
BID ITEM =	2030	CLIENT# =	2.3	Land Item	SCHEDULE:	1	100				
Description = LEVEE SHEET PILE WALLS, AZ 13				Unit =	LF	Takeoff Quan:	196.000	Engr Quan:	196.000		
NCOE31	Oper Crane >100tn, G	1.00	22.50 MH		37.990						1,792
NCOE38	Oper Oiler, GR 1A	1.00	22.50 MH		28.730						1,478
NCPD01	Piledriver Foreman	1.00	22.50 MH		37.290						1,817
NCPD02	Piledriverman	4.00	90.00 MH		33.900						6,809
\$32,373.77	3.5000 MH/PR	157.5000	MH	[135.739]			9,472		11,005		32,374
2.0000	Units/H*	20.0000	Un/Shift	0.2857 Unit/M		264.37	210.50		244.55		719.42
71587	REMOVE TEMPORARY PIPE PILE				Quan:	8.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1		
PDDER1	PD DERRICK, 7MEN - D46		8.00 CH	Prod:	1.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	8.00 HR		523.000		584		3,600		4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00 HR		85.227		682				682
8BOD02	Crewboat "Joey" - Du	1.00	8.00 HR		66.009		301		227		528
8CO250	Compressor 250 CFM	1.00	8.00 HR		20.382		118		45		163
8HAD46	Hammer Delmag D46	1.00	8.00 HR		100.135		801				801
8HAVE3	Vibratory Extractor -	1.00	8.00 HR		96.537		772				772
8WE400	Welder-DSL 400 amp	1.00	8.00 HR		18.800		110		40		150
NCOE31	Oper Crane >100tn, G	1.00	8.00 MH		37.990	637					637
NCOE38	Oper Oiler, GR 1A	1.00	8.00 MH		28.730	526					526
NCPD01	Piledriver Foreman	1.00	8.00 MH		37.290	646					646
NCPD02	Piledriverman	4.00	32.00 MH		33.900	2,421					2,421
\$11,510.68	7.0000 MH/EA	56.0000	MH	[271.478]		4,230	3,368		3,913		11,511
1.0000	Units/H*	10.0000	Un/Shift	0.1429 Unit/M		528.75	421.00		489.09		1,438.84
=====> Item Totals: 2030 - LEVEE SHEET PILE WALLS, AZ 13											
\$329,765.74	2.3112 MH/LF	453.00	MH	[89.658]		34,216	232,269	33,691	29,590		329,766
1,682.478	196 LF					174.57	1,185.04	171.89	150.97		1,682.48

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 2040 CLIENT# = 2.4 Land Item SCHEDULE: 1 100
Description = SUBMERGED SHEET PILE ENCLOSURE Unit = LF Takeoff Quan: 632.000 Engr Quan: 632.000

71500 PURCHASE SHEET PILE **Quan: 32,232.00 SF** **Hrs/Shft: 10.00** **Cal: 510 WC: 1**

**Unreviewed

50 ft sheets.

2SHEET PZC26	Sheet Pile PZC@109.	1,024,981.12	LB	0.900		1,007,813				1,007,813
2SHT CORNER	Sheetpile Corn@109.	204.00	LF	40.000		8,915				8,915
3FREIGHT	Freight Allowance	1.00	LS	17,600.000			17,600			17,600
\$1,034,327.49				[]		1,016,727	17,600			1,034,327
						31.54	0.55			32.09

71533 DUNNAGE **Quan: 3.00 MBFM** **Hrs/Shft: 10.00** **Cal: 510 WC: 1**

**Unreviewed

Furnish 6x6 dunnage to stack sheet pile.

49pr x 5ft x 4ea x 3bf/1f = 2,940bf

3DUNNAGE	Dunnage	3.01	MBM	900.000			2,709			2,709
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71534 UNLOAD & LOAD SHEET PILE **Quan: 512.50 TN** **Hrs/Shft: 10.00** **Cal: 510 WC: 1**

**Unreviewed

At contractor's yard.

<u>CR5M</u>	CRANE, 5-MEN	25.62	CH	Prod: 20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	25.63	HR	86.044		2,205			2,205
NCOE31	Oper Crane >100tn, G	1.00	25.63	MH	37.990	2,042				2,042
NCOE38	Oper Oiler, GR 1A	1.00	25.63	MH	28.730	1,684				1,684
NCPD01	Piledriver Foreman	1.00	25.63	MH	37.290	2,070				2,070
NCPD02	Piledriverman	2.00	51.25	MH	33.900	3,877				3,877
\$11,878.13	0.2500 MH/TN	128.1400	MH	[9.734]	9,673		2,205			11,878
20.0039	Units/H*	200.0390	Un/Shift	3.9995 Unit/M	18.87		4.30			23.18

71536 TRANSPORT SHEETPILE - BARGE **Quan: 16.00 HR** **Hrs/Shft: 10.00** **Cal: 510 WC: 1**

**Unreviewed

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 2040 CLIENT# = 2.4 Land Item SCHEDULE: 1 100
Description = SUBMERGED SHEET PILE ENCLOSURE Unit = LF Takeoff Quan: 632.000 Engr Quan: 632.000

Tug tie up to barge-----.5hr
tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr
Tug drop barge at jobsite-----0.5hr
Tug return light to port-----7.0hr

Total 15.6hr, Say 16hr

8TUG15	Tugboat 1500 HP	16.00	HR	400.000		6,400			6,400
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71552 RIG MOVES **Quan: 4.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1**

**Unreviewed

Move rig from side to side.

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	16.00	CH	Prod: 4.0000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00	
8BAD04	Crane Barge w/200tn	1.00	16.00 HR	523.000	1,168	7,200	8,368
8BAR10	Flat Barge - 1000tn	1.00	16.00 HR	85.227	1,364		1,364
8BOD02	Crewboat "Joey" - Du	1.00	16.00 HR	66.009	602	455	1,056
8CO250	Compressor 250 CFM	1.00	16.00 HR	20.382	235	91	326
8HAD46	Hammer Delmag D46	1.00	16.00 HR	100.135	1,602		1,602
8HAVE3	Vibratory Extractor -	1.00	16.00 HR	96.537	1,545		1,545
8WE400	Welder-DSL 400 amp	1.00	16.00 HR	18.800	221	80	301
NCOE31	Oper Crane >100tn, G	1.00	16.00 MH	37.990	1,275		1,275
NCOE38	Oper Oiler, GR 1A	1.00	16.00 MH	28.730	1,051		1,051
NCPD01	Piledriver Foreman	1.00	16.00 MH	37.290	1,292		1,292
NCPD02	Piledriverman	4.00	64.00 MH	33.900	4,842		4,842
\$23,021.35	28.0000 MH/EA	112.0000	MH	[1085.913]	8,460	6,736	7,825
0.2500	Units/H	2.5000	Un/Shift	0.0357 Unit/M	2,114.98	1,684.00	1,956.36
							5,755.34

71553 RIG UP & DOWN **Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1**

**Unreviewed

Rig up with different hammer.

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	4.00	CH	Prod: 4.0000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00	
8BAD04	Crane Barge w/200tn	1.00	4.00 HR	523.000	292	1,800	2,092

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2040	CLIENT# = 2.4	Land Item	SCHEDULE: 1	100						
Description = SUBMERGED SHEET PILE ENCLOSURE			Unit = LF	Takeoff Quan:	632.000	Engr Quan:	632.000			
8BAR10	Flat Barge - 1000tn	1.00	4.00 HR	85.227		341				341
8BOD02	Crewboat "Joey" - Du	1.00	4.00 HR	66.009		150		114		264
8CO250	Compressor 250 CFM	1.00	4.00 HR	20.382		59		23		82
8HAD46	Hammer Delmag D46	1.00	4.00 HR	100.135		401				401
8HAVE3	Vibratory Extractor -	1.00	4.00 HR	96.537		386				386
8WE400	Welder-DSL 400 amp	1.00	4.00 HR	18.800		55		20		75
NCOE31	Oper Crane >100tn, G	1.00	4.00 MH	37.990	319					319
NCOE38	Oper Oiler, GR 1A	1.00	4.00 MH	28.730	263					263
NCPD01	Piledriver Foreman	1.00	4.00 MH	37.290	323					323
NCPD02	Piledriverman	4.00	16.00 MH	33.900	1,211					1,211
\$5,755.31	28.0000 MH/EA	28.0000	MH	[1085.91]	2,115	1,684		1,956		5,755
0.2500	Units/H	2.5000	Un/Shift	0.0357 Unit/M	2,114.98	1,683.98		1,956.35		5,755.31

71554 FABRICATE TEMPLATE Quan: 0.01 LB Hrs/Shft: 10.00 Cal: 510 WC: 1

**Unreviewed

Use the same template fabricated for waterside sheet pile.
Fabricate sheet pile driving template at yard. Furnish temporary template material and temporary pipe pile.
HP14X73-----2ea x 40ft x 73lb/ft = 5,840 lb say 7,000 lb
16" x 3.4th. Temp. Pipe Pile---2ea x 60ft x 120 lb/ft = 14,400 lb

<u>WELC2M</u>	WELDING CREW W/ CRANE, 2-ME	0.00	CH	Prod: 0.0000 UH	Lab Pcs: 3.00	Eqp Pcs: 3.00
3OXY00	Oxygen & Acetylene	0.00	SH	50.000		
3TEMP PILE	Temp. Pipe Pile	0.02	LB	0.550		
3TEMPLATE	Driving Template, Sh	0.01	LB	0.550		
3WEL00	Welding Mat'ls	0.00	SH	100.000		
8CRH40	Crane Hydro-40tn	1.00	0.00 HR	64.541		
8WE200	Welder-DSL 200 amp	2.00	0.00 HR	14.765		
NCOE37	Oper Crane <45tn, G	1.00	0.00 MH	34.490		
NCPD02	Piledriverman	2.00	0.00 MH	33.900		
\$0.02				[]		

2.00

2.00

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 2040 CLIENT# = 2.4 Land Item SCHEDULE: 1 100
Description = SUBMERGED SHEET PILE ENCLOSURE Unit = LF Takeoff Quan: 632.000 Engr Quan: 632.000

71556	DRIVE TEMPORARY PILE	Quan: 14.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	14.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	14.00 HR	523.000		1,022		6,300		7,322
8BAR10	Flat Barge - 1000tn	1.00	14.00 HR	85.227		1,193				1,193
8BOD02	Crewboat "Joey" - Du	1.00	14.00 HR	66.009		526		398		924
8CO250	Compressor 250 CFM	1.00	14.00 HR	20.382		206		80		285
8HAD46	Hammer Delmag D46	1.00	14.00 HR	100.135		1,402				1,402
8HAVE3	Vibratory Extractor -	1.00	14.00 HR	96.537		1,352				1,352
8WE400	Welder-DSL 400 amp	1.00	14.00 HR	18.800		193		70		263
NCOE31	Oper Crane >100tn, G	1.00	14.00 MH	37.990	1,115					1,115
NCOE38	Oper Oiler, GR 1A	1.00	14.00 MH	28.730	920					920
NCPD01	Piledriver Foreman	1.00	14.00 MH	37.290	1,131					1,131
NCPD02	Piledriverman	4.00	56.00 MH	33.900	4,237					4,237
\$20,143.69	7.0000 MH/EA	98.0000	MH	[271.479]	7,402	5,894		6,847		20,144
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84

**Unreviewed

71557	HANDLE/PLACE TEMPLATE	Quan: 13.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	13.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	13.00 HR	523.000		949		5,850		6,799
8BAR10	Flat Barge - 1000tn	1.00	13.00 HR	85.227		1,108				1,108
8BOD02	Crewboat "Joey" - Du	1.00	13.00 HR	66.009		489		369		858
8CO250	Compressor 250 CFM	1.00	13.00 HR	20.382		191		74		265
8HAD46	Hammer Delmag D46	1.00	13.00 HR	100.135		1,302				1,302
8HAVE3	Vibratory Extractor -	1.00	13.00 HR	96.537		1,255				1,255
8WE400	Welder-DSL 400 amp	1.00	13.00 HR	18.800		179		65		244
NCOE31	Oper Crane >100tn, G	1.00	13.00 MH	37.990	1,036					1,036
NCOE38	Oper Oiler, GR 1A	1.00	13.00 MH	28.730	854					854

**Unreviewed

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2040	CLIENT# = 2.4	Land Item	SCHEDULE: 1	100						
Description = SUBMERGED SHEET PILE ENCLOSURE	Unit = LF	Takeoff Quan:	632.000	Engr Quan:	632.000					
NCPD01	Piledriver Foreman	1.00	13.00 MH	37.290	1,050					1,050
NCPD02	Piledriverman	4.00	52.00 MH	33.900	3,934					3,934
\$18,704.85	7.0000 MH/EA	91.0000	MH	[271.479]	6,874	5,473		6,358		18,705
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.83
71571	DRIVE WATER SHEETPILE	Quan: 136.00	PR	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	90.66	CH	Prod: 1.5000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	90.67 HR	523.000		6,619		40,802		47,420
8BAR10	Flat Barge - 1000tn	1.00	90.67 HR	85.227		7,728				7,728
8BOD02	Crewboat "Joey" - Du	1.00	90.67 HR	66.009		3,409		2,576		5,985
8CO250	Compressor 250 CFM	1.00	90.67 HR	20.382		1,333		515		1,848
8HAD46	Hammer Delmag D46	1.00	90.67 HR	100.135		9,079				9,079
8HAVE3	Vibratory Extractor -	1.00	90.67 HR	96.537		8,753				8,753
8WE400	Welder-DSL 400 amp	1.00	90.67 HR	18.800		1,251		453		1,705
NCOE31	Oper Crane >100tn, G	1.00	90.67 MH	37.990	7,223					7,223
NCOE38	Oper Oiler, GR 1A	1.00	90.67 MH	28.730	5,956					5,956
NCPD01	Piledriver Foreman	1.00	90.67 MH	37.290	7,323					7,323
NCPD02	Piledriverman	4.00	362.67 MH	33.900	27,438					27,438
\$130,458.44	4.6667 MH/PR	634.6800	MH	[180.989]	47,941	38,172		44,346		130,458
1.5001	Units/H*	15.0011	Un/Shift	0.2143 Unit/M	352.50	280.68		326.07		959.25
71587	REMOVE TEMPORARY PIPE PILE	Quan: 14.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	14.00	CH	Prod: 1.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	14.00 HR	523.000		1,022		6,300		7,322
8BAR10	Flat Barge - 1000tn	1.00	14.00 HR	85.227		1,193				1,193
8BOD02	Crewboat "Joey" - Du	1.00	14.00 HR	66.009		526		398		924
8CO250	Compressor 250 CFM	1.00	14.00 HR	20.382		206		80		285
8HAD46	Hammer Delmag D46	1.00	14.00 HR	100.135		1,402				1,402

**Unreviewed

**Unreviewed

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2040	CLIENT# = 2.4	Land Item	SCHEDULE: 1	100						
Description = SUBMERGED SHEET PILE ENCLOSURE			Unit = LF	Takeoff Quan:	632.000	Engr Quan:	632.000			
8HAVE3	Vibratory Extractor -	1.00	14.00 HR	96.537		1,352				1,352
8WE400	Welder-DSL 400 amp	1.00	14.00 HR	18.800		193		70		263
NCOE31	Oper Crane >100tn, G	1.00	14.00 MH	37.990	1,115					1,115
NCOE38	Oper Oiler, GR 1A	1.00	14.00 MH	28.730	920					920
NCPD01	Piledriver Foreman	1.00	14.00 MH	37.290	1,131					1,131
NCPD02	Piledriverman	4.00	56.00 MH	33.900	4,237					4,237
\$20,143.69	7.0000 MH/EA	98.0000	MH	[271.479]	7,402	5,894		6,847		20,144
1.0000	Units/H*	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84
=====> Item Totals:	2040 - SUBMERGED SHEET PILE ENCLOSURE									
\$1,273,541.97	1.8826 MH/LF	1,189.82	MH	[73.044]	89,867	1,016,727	92,767	74,180		1,273,542
2,015.098	632 LF				142.19	1,608.75	146.78	117.37		2,015.10

BID ITEM = 2050 CLIENT# = 2.5 Land Item SCHEDULE: 1 100
Description = BOAT RAMPS Unit = EA Takeoff Quan: 1.000 Engr Quan: 1.000

235005 STEEL PIPE PILE - 18IN X 0.5IN TH. Quan: 2,120.00 LF Hrs/Shft: 10.00 Cal: 510 WC: 1
See sheet C7.1 and C7.2. Furnish steel pipe pile FOB plant, loaded on Contractor's trucks. 99.1ton / 20tn/ld = 4.9 ld, Say 5 loads. 5lds x 4hrs/ld = 20hrs.
2PIPE PILE18 Steel Pipe Pil@109.2 198,220.00 LB 0.660 142,927 142,927
3FREIGHT Freight Allowance 1.00 LS 2,000.000 2,000 2,000
\$144,926.53 [] 142,927 67.42 0.94 68.36

235010 UNLOAD PIPE PILE AT YARD Quan: 102.00 TN Hrs/Shft: 10.00 Cal: 510 WC: 1
Unload pipe pile at yard and place on barge.
CR5M CRANE, 5-MEN 5.10 CH Prod: 19.9800 UH Lab Pcs: 5.00 Eqp Pcs: 1.00

COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 2050 CLIENT# = 2.5 Land Item SCHEDULE: 1 100														
Description = BOAT RAMPS Unit = EA Takeoff Quan: 1.000 Engr Quan: 1.000														
8CRC10	Crane Crawler-100tn	1.00	5.11	HR	86.044					440				440
NCOE31	Oper Crane >100tn, G	1.00	5.11	MH	37.990	407								407
NCOE38	Oper Oiler, GR 1A	1.00	5.11	MH	28.730	336								336
NCPD01	Piledriver Foreman	1.00	5.11	MH	37.290	413								413
NCPD02	Piledriverman	2.00	10.21	MH	33.900	772								772
\$2,367.61	0.2503 MH/TN	25.5400	MH	[9.748]		1,928			440					2,368
20.0000	Units/H*	200.0000	Un/Shift	3.9937	Unit/M	18.90			4.31					23.21
235015	DUNNAGE				Quan: 1.40	MBFM	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Furnish 6x6 dunnage to stack steel pipe pile.														
29ea x 5ft x 3ea x 3bf/1f = 1,305bf														
3DUNNAGE	Dunnage		1.40	MBM	900.000				1,260					1,260
235020	TRANSPORT STEEL PIPE PILE - BARGE				Quan: 102.00	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Tug tie up to barge-----.5hr														
tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr														
Tug drop barge at jobsite-----0.5hr														
Tug return light to port-----7.0hr														

Total 15.6hr, Say 16hr. Allow 1/4 a load for steel pipe pile in this item.														
8TUG15	Tugboat 1500 HP		4.00	HR	400.000				1,600					1,600
235022	BACKUP RINGS				Quan: 33.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Say .375in th. 3'x3.1415 = 9.42ft x .12ft = 1.13sf/ea														
15.3lb/sf x 1.13sf/ea = 17.3lb/ea														
17.3lb/ea x 33ea = 571 lb														
2BACKUP RING	Backup Ring - @109.		33.00	EA	35.000				1,262					1,262
235023	SPLICE PIPE PILE ON GROUND				Quan: 311.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Splice 179ea 40ft pipe to required lengths. One weld per pile.														

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2050	CLIENT# = 2.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
235030	MODIFY SHEET PILE TEMPLATE	Quan: 2,000.00	LB	Hrs/Shft: 10.00	Cal: 510	WC: 1				
WELC2M	WELDING CREW W/ CRANE, 2-ME	16.00	CH	Prod: 125.0000	UH	Lab Pcs:	3.00	Eqp Pcs:	3.00	
3OXY00	Oxygen & Acetylene	3.00	SH	50.000			150			150
3TEMP STEEL	Temporary Steel	2,000.00	LB	0.550			1,100			1,100
3WEL00	Welding Mat'ls	3.00	SH	100.000			300			300
8CRH40	Crane Hydro-40tn	1.00	16.00	HR			1,033			1,033
8WE200	Welder-DSL 200 amp	2.00	32.00	HR			407		65	472
NCOE37	Oper Crane <45tn, G	1.00	16.00	MH		1,190				1,190
NCPD02	Piledriverman	2.00	32.00	MH		2,421				2,421
\$6,666.21	0.0240 MH/LB	48.0000	MH	[0.927]		3,611	2,990		65	6,666
125.0000	Units/H*	1,250.0000	Un/Shift	41.6667	Unit/M	1.81	1.49		0.03	3.33
235035	DRIVE TEMPORARY PILE	Quan: 12.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Temp. template Pipe Pile---4ea x 40ft x 120 lb/ft = 19,200 lb										
PDDER1	PD DERRICK, 7MEN - D46	12.00	CH	Prod: 1.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	7.00	
3TEMP PILE	Temp. Pipe Pile	19,200.00	LB	0.550			10,560			10,560
8BAD04	Crane Barge w/200tn	1.00	12.00	HR			876		5,400	6,276
8BAR10	Flat Barge - 1000tn	1.00	12.00	HR			1,023			1,023
8BOD02	Crewboat "Joey" - Du	1.00	12.00	HR			451		341	792
8CO250	Compressor 250 CFM	1.00	12.00	HR			176		68	245
8HAD46	Hammer Delmag D46	1.00	12.00	HR			1,202			1,202
8HAVE3	Vibratory Extractor -	1.00	12.00	HR			1,158			1,158
8WE400	Welder-DSL 400 amp	1.00	12.00	HR			166		60	226
NCOE31	Oper Crane >100tn, G	1.00	12.00	MH		956				956
NCOE38	Oper Oiler, GR 1A	1.00	12.00	MH		788				788
NCPD01	Piledriver Foreman	1.00	12.00	MH		969				969
NCPD02	Piledriverman	4.00	48.00	MH		3,632				3,632
\$27,826.00	7.0000 MH/EA	84.0000	MH	[271.479]		6,345	15,612		5,869	27,826

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 2050	CLIENT# = 2.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
1.0000	Units/H	10.0000	Un/Shift	0.1429	Unit/M	528.75	1,301.00	489.09		2,318.83

235040 HANDLE/PLACE TEMPLATE

Quan: 8.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	8.00 CH
		Prod: 1.0000 HU
		Lab Pcs: 7.00
		Eqp Pcs: 7.00
8BAD04	Crane Barge w/200tn	1.00 8.00 HR 523.000
8BAR10	Flat Barge - 1000tn	1.00 8.00 HR 85.227
8BOD02	Crewboat "Joey" - Du	1.00 8.00 HR 66.009
8CO250	Compressor 250 CFM	1.00 8.00 HR 20.382
8HAD46	Hammer Delmag D46	1.00 8.00 HR 100.135
8HAVE3	Vibratory Extractor -	1.00 8.00 HR 96.537
8WE400	Welder-DSL 400 amp	1.00 8.00 HR 18.800
NCOE31	Oper Crane >100tn, G	1.00 8.00 MH 37.990
NCOE38	Oper Oiler, GR 1A	1.00 8.00 MH 28.730
NCPD01	Piledriver Foreman	1.00 8.00 MH 37.290
NCPD02	Piledriverman	4.00 32.00 MH 33.900
\$11,510.68	7.0000 MH/EA	56.0000 MH [271.478]
1.0000	Units/H	10.0000 Un/Shift 0.1429 Unit/M
		528.75 421.00 489.09 1,438.84

235045 REMOVE TEMPLATE

Quan: 8.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	4.00 CH
		Prod: 0.5000 HU
		Lab Pcs: 7.00
		Eqp Pcs: 7.00
8BAD04	Crane Barge w/200tn	1.00 4.00 HR 523.000
8BAR10	Flat Barge - 1000tn	1.00 4.00 HR 85.227
8BOD02	Crewboat "Joey" - Du	1.00 4.00 HR 66.009
8CO250	Compressor 250 CFM	1.00 4.00 HR 20.382
8HAD46	Hammer Delmag D46	1.00 4.00 HR 100.135
8HAVE3	Vibratory Extractor -	1.00 4.00 HR 96.537
8WE400	Welder-DSL 400 amp	1.00 4.00 HR 18.800
NCOE31	Oper Crane >100tn, G	1.00 4.00 MH 37.990
NCOE38	Oper Oiler, GR 1A	1.00 4.00 MH 28.730
		319 263

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 2050	CLIENT# = 2.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
NCPD01	Piledriver Foreman	1.00	4.00 MH	37.290	323					323
NCPD02	Piledriverman	4.00	16.00 MH	33.900	1,211					1,211
\$5,755.31	3.5000 MH/EA	28.0000	MH	[135.739]	2,115	1,684		1,956		5,755
2.0000	Units/H	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50		244.54		719.41

235050	REMOVE TEMPORARY PILE	Quan: 12.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	6.00	CH	Prod: 0.5000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	6.00 HR	523.000		438		2,700		3,138
8BAR10	Flat Barge - 1000tn	1.00	6.00 HR	85.227		511				511
8BOD02	Crewboat "Joey" - Du	1.00	6.00 HR	66.009		226		170		396
8CO250	Compressor 250 CFM	1.00	6.00 HR	20.382		88		34		122
8HAD46	Hammer Delmag D46	1.00	6.00 HR	100.135		601				601
8HAVE3	Vibratory Extractor -	1.00	6.00 HR	96.537		579				579
8WE400	Welder-DSL 400 amp	1.00	6.00 HR	18.800		83		30		113
NCOE31	Oper Crane >100tn, G	1.00	6.00 MH	37.990	478					478
NCOE38	Oper Oiler, GR 1A	1.00	6.00 MH	28.730	394					394
NCPD01	Piledriver Foreman	1.00	6.00 MH	37.290	485					485
NCPD02	Piledriverman	4.00	24.00 MH	33.900	1,816					1,816
\$8,633.02	3.5000 MH/EA	42.0000	MH	[135.739]	3,172	2,526		2,935		8,633
2.0000	Units/H	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50		244.55		719.42

235055	DRIVE STEEL PIPE PILE	Quan: 43.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
This quantity includes 6 guide piles for the floats.										
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	64.50	CH	Prod: 1.5000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	64.50 HR	523.000		4,709		29,025		33,734
8BAR10	Flat Barge - 1000tn	1.00	64.50 HR	85.227		5,497				5,497
8BOD02	Crewboat "Joey" - Du	1.00	64.50 HR	66.009		2,425		1,832		4,258
8CO250	Compressor 250 CFM	1.00	64.50 HR	20.382		948		366		1,315
8HAD46	Hammer Delmag D46	1.00	64.50 HR	100.135		6,459				6,459

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2050	CLIENT# = 2.5		Land Item	SCHEDULE: 1	100					
Description = BOAT RAMPS				Unit = EA	Takeoff Quan:	1.000	Engr Quan:		1.000	
8HAVE3	Vibratory Extractor -	1.00	64.50 HR	96.537			6,227			6,227
8WE400	Welder-DSL 400 amp	1.00	64.50 HR	18.800			890		323	1,213
NCOE31	Oper Crane >100tn, G	1.00	64.50 MH	37.990	5,138					5,138
NCOE38	Oper Oiler, GR 1A	1.00	64.50 MH	28.730	4,237					4,237
NCPD01	Piledriver Foreman	1.00	64.50 MH	37.290	5,210					5,210
NCPD02	Piledriverman	4.00	258.00 MH	33.900	19,519					19,519
\$92,804.92	10.5000 MH/EA	451.5000	MH	[407.217]	34,104		27,154		31,546	92,805
0.6667	Units/H	6.6667	Un/Shift	0.0952 Unit/M	793.12		631.50		733.64	2,158.25
235060	CUTOFF STEEL PIPE & DISPOSE			Quan: 43.00 EA	Hrs/Shft: 10.00		Cal: 510	WC: 1		
1P	1-PILEDRIVERMAN		43.00 CH	Prod: 1.0000 HU	Lab Pcs:	1.00	Eqp Pcs:	0.00		
NCPD02	Piledriverman	1.00	43.00 MH	33.900	3,253					3,253
\$3,253.23	1.0000 MH/EA	43.0000	MH	[38.409]	3,253					3,253
1.0000	Units/H	10.0000	Un/Shift	1.0000 Unit/M	75.66					75.66
240005	WOOD FORM MAT'LS - BOAT RAMPS			Quan: 1,245.00 SF	Hrs/Shft: 10.00		Cal: 510	WC: 1		
Furnish wood form materials. Quantities are based on 1 use of forms. This includes the concrete abutement for the boarding floats.										
3FOR03	Form Plywood, 3/4"	1.00	1,245.00 SF	0.800			996			996
3FOR11	Form lumber, 2x4's	1.00	2.49 MBFM	800.000			1,992			1,992
3FOR30	Form oil,ties,nails	1.00	1,245.00 SF	0.330			411			411
\$3,398.85				[]			3,399			3,399
							2.73			2.73
240007	SET & STRIP SOFFIT FORMS			Quan: 950.00 SF	Hrs/Shft: 10.00		Cal: 510	WC: 1		
4C	4-MAN CARP CREW		39.39 CH	Prod: 12.0000 \$U	Lab Pcs:	4.00	Eqp Pcs:	0.00		
NCCA01	Carpenter, FRMN, SF	1.00	39.40 MH	38.220	3,091					3,091
NCCA02	Carpenter, JRMN, SF	3.00	118.19 MH	34.750	8,653					8,653
\$11,743.09	0.1658 MH/SF	157.5900	MH	[6.694]	11,743					11,743

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2050	CLIENT# = 2.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS		Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000				
24.1178	Units/H	241.1780	Un/Shift	6.0283	Unit/M	12.36				12.36
240010	BUILD WOOD FORMS-WALLS	Quan: 305.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
2-man carp crew prefab forms at 20sf/m-hr.										
<u>2C</u>	2-MAN CARP CREW	7.62	CH	Prod: 20.0000	UM	Lab Pcs: 2.00	Eqp Pcs: 1.00			
8CO150	Compressor 150 CFM	1.00	7.63	HR	16.165		89	35		123
NCCA02	Carpenter, JRMN, SF	2.00	15.25	MH	34.750	1,116				1,116
\$1,239.75	0.0500 MH/SF	15.2500	MH	[1.969]	1,116	89	35			1,240
40.0262	Units/H	400.2625	Un/Shift	20.0000	Unit/M *	3.66	0.29	0.11		4.06
240015	SET WOOD FORMS-WALLS	Quan: 305.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
6-man crew set wood forms @ 12sf/m-hr.										
<u>4C</u>	4-MAN CARP CREW	6.35	CH	Prod: 12.0000	UM	Lab Pcs: 4.00	Eqp Pcs: 0.00			
NCCA01	Carpenter, FRMN, SF	1.00	6.35	MH	38.220	498				498
NCCA02	Carpenter, JRMN, SF	3.00	19.06	MH	34.750	1,395				1,395
\$1,893.45	0.0833 MH/SF	25.4100	MH	[3.362]	1,893					1,893
48.0315	Units/H	480.3150	Un/Shift	12.0031	Unit/M *	6.21				6.21
240020	STRIP WOOD FORMS-WALLS	Quan: 305.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
3-man crew strip wood forms @ 60sf/ch.										
<u>3L</u>	3-MAN LAB CREW	1.69	CH	Prod: 60.0000	UM	Lab Pcs: 3.00	Eqp Pcs: 0.00			
NCLA03	Laborer, FRMN-Spec	1.00	1.69	MH	27.850	96				96
NCLA04	Laborer, JRMN-Speci	2.00	3.39	MH	26.850	188				188
\$284.51	0.0166 MH/SF	5.0800	MH	[0.513]	285					285
180.4734	Units/H	1,804.7337	Un/Shift	60.0394	Unit/M *	0.93				0.93
240025	F & I RESTEEL	Quan: 7,440.00	LB	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Rebar sub furnish and install rebar.										
4REB00	Sub F&I Rebar	1.00	7,440.00	LB	1.000				7,440	7,440

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2050	CLIENT# = 2.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
240030	CONCRETE DELIVERED-4000 PSI	Quan: 46.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:1						
Supplier furnish concrete F.O.B. jobsite. This is for the cip concrete boat ramp and abutment.										
2CON40	Concrete-4000p@109	1.00	48.70 CY	110.000		5,853				5,853
240035	PLACE CONC-SLABS-PUMP	Quan: 46.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:1						
5-man crew places concrete with small boom pump.										
CON5M	CONC PLACING, 5-MEN	3.00 CH	Prod: 15.3333 UH		Lab Pcs:	5.00	Eqp Pcs:	0.00		
83CPC0	Pumping Charge	1.00	46.00 CY	2.500		115				115
8CP050	Conc Pump 50cy/hr	1.00	5.00 HR	110.000		550				550
NCCA01	Carpenter, FRMN, SF	1.00	3.00 MH	38.220	235					235
NCCA02	Carpenter, JRMN, SF	1.00	3.00 MH	34.750	220					220
NCLA04	Laborer, JRMN-Speci	3.00	9.00 MH	26.850	500					500
\$1,619.50	0.3260 MH/CY	15.0000	MH	[11.344]	955	665				1,620
15.3333	Units/H*	153.3333	Un/Shift	3.0667 Unit/M	20.75	14.46				35.21
240040	FINISH CONCRETE	Quan: 1,150.00 SF	Hrs/Shft: 10.00	Cal: 510 WC:1						
Men finish concrete at 100sf/m-hr.										
FIN4M	FINISHING CREW, 4-MEN	2.87 CH	Prod: 100.0000 UM		Lab Pcs:	4.00	Eqp Pcs:	0.00		
NCCM02	Cement Mason, JRM	4.00	11.50 MH	27.520	676					676
\$676.10	0.0100 MH/SF	11.5000	MH	[0.312]	676					676
400.6969	Units/H	4,006.9686	Un/Shift	100.0000 Unit/M *	0.59					0.59
240045	CURE CONCRETE	Quan: 2,400.00 SF	Hrs/Shft: 10.00	Cal: 510 WC:1						
One man places curing compound at 700sf/hr										
2L	2-MAN LAB CREW	1.71 CH	Prod: 700.0000 UM		Lab Pcs:	2.00	Eqp Pcs:	0.00		
3CUR00	Curing Compound	1.00	2,400.00 SF	0.080		192				192
NCLA04	Laborer, JRMN-Speci	2.00	3.43 MH	26.850	190					190
\$382.39	0.0014 MH/SF	3.4300	MH	[0.043]	190	192				382
1,403.5088	Units/H	14,035.0877	Un/Shift	699.7117 Unit/M *	0.08	0.08				0.16

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2050	CLIENT# = 2.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
242010	FURNISH STEEL RAMP FRAME	Quan: 128,600.00	LB	Hrs/Shft: 10.00	Cal: 510	WC: 1				
2GROUT BY SK	Cement Grout b@109	148.00	SK	20.000	3,234					3,234
2LAG BOLT5/8	Lag Bolt - 5/8@109.2	80.00	EA	1.750	153					153
2NEO GASKET	Neoprene Gaske@10	210.00	LF	5.000	1,147					1,147
2STL FRAME	Prefabbed Stee@109.	128,600.00	LB	2.000	280,991					280,991
2TIMBER TR	Treated Frame @109.	1.46	MBFM	1,100.000	1,755					1,755
2WASHER5/8	Washer - 5/8"@109.2	100.00	EA	0.100	11					11
3FREIGHT	Freight Allowance	1.00	LS	2,400.000		2,400				2,400
\$289,690.37				[]	287,290	2,400				289,690
					2.23	0.02				2.25
242015	COAT RAMP FRAME	Quan: 6,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
4PAI00	Painting Sub	6,000.00	SF	4.000					24,000	24,000
242020	TRANSPORT STEEL FRAME	Quan: 64.30	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
64.3 ton.	Allow four truckloads.	4hr x 4ea = 16hr								
8TKFB0	Truck-Flatbed	16.00	HR	95.000		1,520				1,520
242030	UNLOAD & LOAD MA'LS ON BARGE	Quan: 64.30	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CR5M</u>	CRANE, 5-MEN	3.21	CH	Prod: 20.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 1.00			
8CRC10	Crane Crawler-100tn	1.00	3.22	HR	86.044	277				277
NCOE31	Oper Crane >100tn, G	1.00	3.22	MH	37.990	257				257
NCOE38	Oper Oiler, GR 1A	1.00	3.22	MH	28.730	212				212
NCPD01	Piledriver Foreman	1.00	3.22	MH	37.290	260				260
NCPD02	Piledriverman	2.00	6.43	MH	33.900	486				486
\$1,491.61	0.2502 MH/TN	16.0900	MH	[9.742]	1,215	277				1,492
20.0312	Units/H*	200.3115	Un/Shift	3.9963	Unit/M	18.89	4.31			23.20

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2050	CLIENT# = 2.5		Land Item	SCHEDULE: 1	100					
Description = BOAT RAMPS				Unit = EA	Takeoff Quan:	1.000	Engr Quan:		1.000	
NCOE31	Oper Crane >100tn, G	1.00	15.00 MH	37.990	1,195					1,195
NCOE38	Oper Oiler, GR 1A	1.00	15.00 MH	28.730	985					985
NCPD01	Piledriver Foreman	1.00	15.00 MH	37.290	1,212					1,212
NCPD02	Piledriverman	4.00	60.00 MH	33.900	4,539					4,539
\$24,824.36	3.5000 MH/EA	105.0000	MH	[135.74]	7,931	3,008		6,985	6,900	24,824
2.0000	Units/H*	20.0000	Un/Shift	0.2857 Unit/M	264.37	100.26		232.84	230.00	827.48
245010	FURN CONC SHEET PILE - 10"X48"			Quan: 1,809.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
See sht C8 and C65. Furnish concrete pile FOB plant loaded on contractor's trucks.										
222.4cy x \$700/cy / 1809 lf = \$86.06/lf. Say \$87.00/lf with grooves.										
2SHEET PILE	Conc Sheet Pil@109.		1,809.00 LF	87.000		171,941				171,941
245020	FURNISH MISC MATERIALS			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Neoprene strips are shown on sheet C66 and C9.										
2NEOPRE 1/2	Neoprene - 1/2@109.		76.00 SF	16.000		1,328				1,328
2NEOPRE 1/4	Neoprene - 1/4@109.		60.00 SF	8.000		524				524
2NEOPRE 1/8	Neoprene - 1/8@109.		550.00 SF	4.000		2,404				2,404
\$4,256.38				[]		4,256				4,256
						4,256.38				4,256.38
245030	TRANSPORT CONC PILE - TRUCK			Quan: 450.00 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
450ton / 20tn/load = 22.5 load. 23loads x 4hr/ld = 92 hrs.										
8TKFB0	Truck-Flatbed		92.00 HR	95.000		8,740				8,740
245040	UNLOAD & LOAD PILES ON BARGE			Quan: 74.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1			
CR5M	CRANE, 5-MEN		18.50 CH	Prod: 4.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	18.50 HR	86.044		1,592				1,592
NCOE31	Oper Crane >100tn, G	1.00	18.50 MH	37.990	1,474					1,474
NCOE38	Oper Oiler, GR 1A	1.00	18.50 MH	28.730	1,215					1,215
NCPD01	Piledriver Foreman	1.00	18.50 MH	37.290	1,494					1,494

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2050	CLIENT# = 2.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
NCPD02	Piledriverman	2.00	37.00 MH	33.900	2,799					2,799
\$8,574.30	1.2500 MH/EA	92.5000	MH	[48.665]	6,983	1,592				8,574
4.0000	Units/H*	40.0000	Un/Shift	0.8000 Unit/M	94.36	21.51				115.87
245045	TRANSPORT CONC PILE - BARGE			Quan: 450.00 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Tug tie up to barge-----.5hr										
tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr										
Tug drop barge at jobsite-----0.5hr										
Tug return light to port-----7.0hr										

Total 15.6hr, Say 16hr. Allow for 1/2 barge load here.										
8TUG15	Tugboat 1500 HP		8.00 HR	400.000		3,200				3,200
245050	SPECIAL RIGGING AND SLINGS			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1			
3RIGGING	Rigging Allowance		1.00 LS	2,000.000		2,000				2,000
245060	SET NEOPRENE PADS			Quan: 670.00 SF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
<u>2L</u>	2-MAN LAB CREW		33.50 CH	Prod: 20.0000 UH	Lab Pcs:	2.00	Eqp Pcs:	0.00		
NCLA04	Laborer, JRMN-Speci	2.00	67.00 MH	26.850		3,719				3,719
\$3,718.83	0.1000 MH/SF	67.0000	MH	[3.042]		3,719				3,719
20.0000	Units/H*	200.0000	Un/Shift	10.0000 Unit/M		5.55				5.55
245080	SET PC PLANKS			Quan: 74.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1			
<u>CRB7M</u>	DERRICK, 7MEN		24.66 CH	Prod: 3.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	24.67 HR	523.000		1,801		11,102		12,902
8BAR10	Flat Barge - 1000tn	1.00	24.67 HR	85.227		2,103				2,103
8CO250	Compressor 250 CFM	1.00	24.67 HR	20.382		363		140		503
8WE400	Welder-DSL 400 amp	2.00	49.33 HR	18.800		681		247		927
NCOE31	Oper Crane >100tn, G	1.00	24.67 MH	37.990	1,965					1,965
NCOE38	Oper Oiler, GR 1A	1.00	24.67 MH	28.730	1,621					1,621

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 2050 CLIENT# = 2.5 Land Item SCHEDULE: 1 100
Description = BOAT RAMPS Unit = EA Takeoff Quan: 1.000 Engr Quan: 1.000

NCPD01	Piledriver Foreman	1.00	24.67 MH	37.290	1,993					1,993
NCPD02	Piledriverman	4.00	98.67 MH	33.900	7,465					7,465
\$29,478.55	2.3335 MH/EA	172.6800	MH	[90.5]	13,043	4,947		11,488		29,479
3.0008	Units/H*	30.0081	Un/Shift	0.4285 Unit/M	176.26	66.85		155.25		398.36

245090 SECURE PLANKS - SET TIMBERS Quan: 584.00 LF Hrs/Shft: 10.00 Cal: 510 WC: 1

Allow 1 shift of divers to secure lower planks.

CRB7M	DERRICK, 7MEN	14.60	CH	Prod: 40.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	5.00		
4DIV00	Diving Sub	1.17	SH	4,600.000					5,382	5,382
8BAD04	Crane Barge w/200tn	1.00	14.60 HR	523.000		1,066		6,570		7,636
8BAR10	Flat Barge - 1000tn	1.00	14.60 HR	85.227		1,244				1,244
8CO250	Compressor 250 CFM	1.00	14.60 HR	20.382		215		83		298
8WE400	Welder-DSL 400 amp	2.00	29.20 HR	18.800		403		146		549
NCOE31	Oper Crane >100tn, G	1.00	14.60 MH	37.990	1,163					1,163
NCOE38	Oper Oiler, GR 1A	1.00	14.60 MH	28.730	959					959
NCPD01	Piledriver Foreman	1.00	14.60 MH	37.290	1,179					1,179
NCPD02	Piledriverman	4.00	58.40 MH	33.900	4,418					4,418
\$22,828.33	0.1750 MH/LF	102.2000	MH	[6.787]	7,720	2,928		6,799	5,382	22,828
40.0000	Units/H*	400.0000	Un/Shift	5.7143 Unit/M	13.22	5.01		11.64	9.22	39.09

245095 FURN & INSTALL CONC BARRIER Quan: 94.00 LF Hrs/Shft: 10.00 Cal: 510 WC: 1

CRB7M	DERRICK, 7MEN	2.35	CH	Prod: 40.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	5.00		
2CONCBARRIE	Concrete Barri@109.	94.00	LF	30.000	3,081					3,081
8BAD04	Crane Barge w/200tn	1.00	2.35 HR	523.000		172		1,058		1,229
8BAR10	Flat Barge - 1000tn	1.00	2.35 HR	85.227		200				200
8CO250	Compressor 250 CFM	1.00	2.35 HR	20.382		35		13		48
8TKFB0	Truck-Flatbed	12.00	HR	95.000		1,140				1,140
8WE400	Welder-DSL 400 amp	2.00	4.70 HR	18.800		65		24		88
NCOE31	Oper Crane >100tn, G	1.00	2.35 MH	37.990	187					187

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-		
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total
BID ITEM = 2050	CLIENT# = 2.5		Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS				Unit = EA	Takeoff	Quan:	1.000	Engr	Quan:	1.000	
NCOE38	Oper Oiler, GR 1A	1.00	2.35 MH	28.730		154					154
NCPD01	Piledriver Foreman	1.00	2.35 MH	37.290		190					190
NCPD02	Piledriverman	4.00	9.40 MH	33.900		711					711
\$7,028.98	0.1750 MH/LF	16.4500	MH	[6.787]	1,243	3,081	1,611		1,094		7,029
40.0000	Units/H*	400.0000	Un/Shift	5.7143 Unit/M	13.22	32.78	17.14		11.64		74.78
245097	FURN & PLACE CLASS II FILL			Quan: 6.20 CY	Hrs/Shft: 10.00		Cal: 510	WC: 1			
Aggregate base is fill at the beginning of the boat ramp as shown on sheet C10.											
FIL3M	TRENCH FILL/F.E.L., 3-MEN		2.00 CH	Prod: 3.1000 UH		Lab Pcs:	3.00	Eqp Pcs:	2.00		
2BASE CLII	Aggregate Base@109.		10.00 TN	9.000		98					98
8BH007	Backhoe/FEL .75CY	1.00	2.00 HR	35.055			70				70
8COM10	Walk-Behind Roller (	1.00	2.00 HR	16.536			33				33
8TKD20	Dump Truck-Semi En		4.00 HR	95.000			380				380
NCLA04	Laborer, JRMN-Speci	2.00	4.00 MH	26.850	222						222
NCOE12	Oper Bkhoe/Loader <	1.00	2.00 MH	32.380	142						142
\$945.94	0.9677 MH/CY	6.0000	MH	[31.463]	364	98	483				946
3.1000	Units/H*	31.0000	Un/Shift	1.0333 Unit/M	58.78	15.86	77.93				152.57
2550010	BOARDING FLOAT			Quan: 1,320.00 SF	Hrs/Shft: 10.00		Cal: 510	WC: 1			
2FLOAT	Boarding Float@109.	1,320.00	SF	75.000		108,158					108,158
2PILE CAP	Pile Cap - 18"@109.2	6.00	EA	30.000		197					197
\$108,354.15				[]		108,354					108,354
						82.09					82.09
2550020	UNLOAD AT JOBSITE			Quan: 0.50 SH	Hrs/Shft: 10.00		Cal: 510	WC: 1			
CRB7M	DERRICK, 7MEN		5.00 CH	Prod: 10.0000 HU		Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	5.00 HR	523.000			365		2,250		2,615
8BAR10	Flat Barge - 1000tn	1.00	5.00 HR	85.227			426				426
8CO250	Compressor 250 CFM	1.00	5.00 HR	20.382			74		28		102

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2050	CLIENT# = 2.5		Land Item	SCHEDULE: 1	100					
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
8WE400	Welder-DSL 400 amp	2.00	10.00 HR	18.800		138		50		188
NCOE31	Oper Crane >100tn, G	1.00	5.00 MH	37.990	398					398
NCOE38	Oper Oiler, GR 1A	1.00	5.00 MH	28.730	328					328
NCPD01	Piledriver Foreman	1.00	5.00 MH	37.290	404					404
NCPD02	Piledriverman	4.00	20.00 MH	33.900	1,513					1,513
\$5,974.79	70.0000 MH/SH	35.0000	MH	[2714.8]	2,644	1,003		2,328		5,975
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.50	2,005.26		4,656.82		11,949.58
2550030	ASSEMBLE AT JOBSITE			Quan: 1.00 SH	Hrs/Shft: 10.00	Cal: 510	WC: 1			
<u>CRB7M</u>	DERRICK, 7MEN		10.00 CH	Prod: 10.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	10.00 HR	523.000		730		4,500		5,230
8BAR10	Flat Barge - 1000tn	1.00	10.00 HR	85.227		852				852
8CO250	Compressor 250 CFM	1.00	10.00 HR	20.382		147		57		204
8WE400	Welder-DSL 400 amp	2.00	20.00 HR	18.800		276		100		376
NCOE31	Oper Crane >100tn, G	1.00	10.00 MH	37.990	797					797
NCOE38	Oper Oiler, GR 1A	1.00	10.00 MH	28.730	657					657
NCPD01	Piledriver Foreman	1.00	10.00 MH	37.290	808					808
NCPD02	Piledriverman	4.00	40.00 MH	33.900	3,026					3,026
\$11,949.53	70.0000 MH/SH	70.0000	MH	[2714.77]	5,287	2,005		4,657		11,950
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.44	2,005.27		4,656.82		11,949.53
2550040	INSTALL BOARDING FLOAT			Quan: 2.00 SH	Hrs/Shft: 10.00	Cal: 510	WC: 1			
<u>CRB7M</u>	DERRICK, 7MEN		20.00 CH	Prod: 10.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	20.00 HR	523.000		1,460		9,000		10,460
8BAR10	Flat Barge - 1000tn	1.00	20.00 HR	85.227		1,705				1,705
8CO250	Compressor 250 CFM	1.00	20.00 HR	20.382		294		114		408
8WE400	Welder-DSL 400 amp	2.00	40.00 HR	18.800		552		200		752
NCOE31	Oper Crane >100tn, G	1.00	20.00 MH	37.990	1,593					1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00 MH	28.730	1,314					1,314

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/ExOwnershi	Equipme Operatio	Equipme	Sub- Contract	Total
BID ITEM = 2050	CLIENT# = 2.5		Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS				Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
NCPD01	Piledriver Foreman	1.00	20.00 MH	37.290	1,615						1,615
NCPD02	Piledriverman	4.00	80.00 MH	33.900	6,053						6,053
\$23,899.11	70.0000 MH/SH	140.0000	MH	[2714.78]	10,575	4,011		9,314			23,899
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.47	2,005.27		4,656.82			11,949.56
2550050	F & I BOARDING FLOAT PLATES			Quan: 1,870.00 LB	Hrs/Shft: 10.00	Cal: 510	WC: 1				
See C68/2. This is the hinge and plate at the foot of the abutment.											
<u>3C</u>	3-MAN CARP CREW		10.00 CH	Prod: 187.0000 UH		Lab Pcs: 3.00	Eqp Pcs: 0.00				
2STL ABUT	Abutment Steel@109.		1,870.00 LB	0.550		1,124					1,124
NCCA01	Carpenter, FRMN, SF	1.00	10.00 MH	38.220	784						784
NCCA02	Carpenter, JRMN, SF	2.00	20.00 MH	34.750	1,464						1,464
\$3,372.23	0.0160 MH/LB	30.0000	MH	[0.653]	2,249	1,124					3,372
187.0000	Units/H*	1,870.0000	Un/Shift	62.3333 Unit/M	1.20	0.60					1.80
=====> Item Totals: 2050 - BOAT RAMPS											
\$1,159,008.11	2,370.4700 MH/EA	2,370.47	MH	[91080.25]	176,054	726,186	118,023	95,023	43,722		1,159,008
1,159,008.110	1 EA				176,054.27	726,185.54	118,023.29	95,023.01	43,722.00		1,159,008.11

BID ITEM = 2060 CLIENT# = 2.6 Land Item SCHEDULE: 1 100
Description = 3FT CATWALK Unit = SF Takeoff Quan: 2,032.000 Engr Quan: 2,032.000

2500010	FURN STEEL CATWALK W/ HANDRAILS	Quan: 2,032.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:1
Furnish steel catwalk with handrails. Furnish lower catwalk supports.						
2BOLT3/4X4.5	Bolt 3/4" x 4.@109.2	260.00	EA	2.000	568	568
2CATWALK	Steel Catwalk @109.2	2,032.00	SF	140.000	310,794	310,794
2CATWALK SU	Steel Catwalk @109.2	14,000.00	LB	3.500	53,533	53,533
2HARDWARE	Bolts, Nuts & @109.2	152.00	LB	3.500	581	581

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2060	CLIENT# = 2.6	Land Item	SCHEDULE: 1	100						
Description = 3FT CATWALK		Unit = SF	Takeoff Quan:	2,032.000	Engr Quan:	2,032.000				
2HDPE SLIDE	HDPE Slide - 1@109.	10.00	SF	30.000		328				328
2NUT3/4	Heavy Hex Nut @109	280.00	EA	0.500		153				153
2WASHER2.5	Washer 3/4"x2.@109.	560.00	EA	1.500		918				918
3FREIGHT	Freight Allowance	1.00	LS	2,400.000			2,400			2,400
\$369,274.61			[]			366,875	2,400			369,275
						180.55	1.18			181.73
2500020	UNLOAD STEEL CATWALK	Quan: 1.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CRB7M</u>	DERRICK, 7MEN	10.00	CH	Prod: 10.0000	HU	Lab Pcs: 7.00	Eqp Pcs: 5.00			
8BAD04	Crane Barge w/200tn	1.00	10.00	HR	523.000		730	4,500		5,230
8BAR10	Flat Barge - 1000tn	1.00	10.00	HR	85.227		852			852
8CO250	Compressor 250 CFM	1.00	10.00	HR	20.382		147	57		204
8WE400	Welder-DSL 400 amp	2.00	20.00	HR	18.800		276	100		376
NCOE31	Oper Crane >100tn, G	1.00	10.00	MH	37.990	797				797
NCOE38	Oper Oiler, GR 1A	1.00	10.00	MH	28.730	657				657
NCPD01	Piledriver Foreman	1.00	10.00	MH	37.290	808				808
NCPD02	Piledriverman	4.00	40.00	MH	33.900	3,026				3,026
\$11,949.53	70.0000 MH/SH	70.0000	MH	[2714.77]	5,287	2,005		4,657		11,950
0.1000	Units/H	1.0000	Un/Shift	0.0143	Unit/M	5,287.44	2,005.27	4,656.82		11,949.53
2500030	INSTALL STEEL CATWALK	Quan: 603.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CRB7M</u>	DERRICK, 7MEN	60.30	CH	Prod: 100.0000	US	Lab Pcs: 7.00	Eqp Pcs: 5.00			
3OXY00	Oxygen & Acetylene		6.18	SH	50.000		309			309
3WEL00	Welding Mat'ls		6.18	SH	100.000		618			618
8BAD04	Crane Barge w/200tn	1.00	60.30	HR	523.000		4,402	27,135		31,537
8BAR10	Flat Barge - 1000tn	1.00	60.30	HR	85.227		5,139			5,139
8CO250	Compressor 250 CFM	1.00	60.30	HR	20.382		886	343		1,229
8WE400	Welder-DSL 400 amp	2.00	120.60	HR	18.800		1,664	603		2,267
NCOE31	Oper Crane >100tn, G	1.00	60.30	MH	37.990	4,803				4,803

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2060	CLIENT# = 2.6	Land Item	SCHEDULE: 1	100						
Description = 3FT CATWALK			Unit = SF	Takeoff Quan:	2,032.000	Engr Quan:	2,032.000			
NCOE38	Oper Oiler, GR 1A	1.00	60.30 MH	28.730	3,961					3,961
NCPD01	Piledriver Foreman	1.00	60.30 MH	37.290	4,870					4,870
NCPD02	Piledriverman	4.00	241.20 MH	33.900	18,248					18,248
\$72,982.80	0.7000 MH/LF	422.1000	MH	[27.148]	31,883	13,019		28,081		72,983
10.0000	Units/H	100.0000	Un/Shift *	1.4286 Unit/M	52.87	21.59		46.57		121.03
=====> Item Totals:	2060 - 3FT CATWALK									
\$454,206.94	0.2421 MH/SF	492.10	MH	[9.392]	37,171	366,875	17,424	32,737		454,207
223.527	2032 SF				18.29	180.55	8.57	16.11		223.53

BID ITEM = 2070 CLIENT# = 2.7 Land Item SCHEDULE: 1 100
Description = DREDGING Unit = CY Takeoff Quan: 9,200.000 Engr Quan: 9,200.000

3805 FURNISH SILT SCREEN Quan: 700.00 LF Hrs/Shft: 10.00 Cal: 510 WC: 1
3SILTBARRIER Silt Barrier - 25' 700.00 LF 25.000 17,500 17,500

3806 INSTALL SILT SCREEN Quan: 700.00 LF Hrs/Shft: 10.00 Cal: 510 WC: 1
DRE5M DREDGING CREW 7.98 CH Prod: 0.0114 HU Lab Pcs: 5.00 Eqp Pcs: 4.00
8BAD01 Paula Lee Derrick - D 1.00 7.98 HR 1,063.753 1,688 6,801 8,489
8BAD14 Flat Barge - Dutra 1.00 7.98 HR 66.285 166 363 529
8BUC06 Bucket-Clam Mtl HD 1.00 7.98 HR 20.005 160 160
8TUG15 Tugboat 1500 HP 1.00 7.98 HR 400.000 3,192 3,192
NCOE29 Oper Clamshell >7cy, 1.00 7.98 MH 37.990 636 636
NCOE38 Oper Oiler, GR 1A 1.00 7.98 MH 28.730 524 524
NCOE42 Oper Captain, GR 1 1.00 7.98 MH 37.240 634 634
NCOE45 Oper Deck Engineer, 1.00 7.98 MH 31.160 561 561
NCOE49 Oper H.D. Repairman 1.00 7.98 MH 32.280 575 575

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract
									Total
BID ITEM = 2070	CLIENT# = 2.7	Land Item	SCHEDULE: 1	100					
Description = DREDGING			Unit = CY	Takeoff Quan:	9,200.000	Engr Quan:	9,200.000		
\$15,299.02	0.0570 MH/LF	39.9000	MH	[2.162]	2,930	5,205	7,164		15,299
87.7193	Units/H	877.1930	Un/Shift	17.5439 Unit/M	4.19	7.44	10.23		21.86
3842	DREDGE - CRANE-BUCKET		Quan: 6,550.00	CY	Hrs/Shft: 10.00	Cal: 510	WC: 1		
Neat quantity is 5,800cy. Add 1.0ft for overdredge.									
224ft x 90ft x 1.0ft/27 = 747cy									
DRE5M	DREDGING CREW	26.20	CH	Prod: 250.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 4.00		
8BAD01	Paula Lee Derrick - D	1.00	26.20	HR	1,063.753		5,541	22,330	27,870
8BAD14	Flat Barge - Dutra	1.00	26.20	HR	66.285		546	1,191	1,737
8BUC06	Bucket-Clam Mtl HD	1.00	26.20	HR	20.005		524		524
8TUG15	Tugboat 1500 HP	1.00	26.20	HR	400.000		10,480		10,480
NCOE29	Oper Clamshell >7cy,	1.00	26.20	MH	37.990	2,087			2,087
NCOE38	Oper Oiler, GR 1A	1.00	26.20	MH	28.730	1,721			1,721
NCOE42	Oper Captain, GR 1	1.00	26.20	MH	37.240	2,082			2,082
NCOE45	Oper Deck Engineer,	1.00	26.20	MH	31.160	1,842			1,842
NCOE49	Oper H.D. Repairman	1.00	26.20	MH	32.280	1,886			1,886
\$50,230.06	0.0200 MH/CY	131.0000	MH	[0.759]	9,619	17,091	23,520		50,230
250.0000	Units/H*	2,500.0000	Un/Shift	50.0000 Unit/M	1.47	2.61	3.59		7.67
3850	MOVE EQUIP TO UNLOAD SITE,BACK		Quan: 7.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1		
Assume somewhere within 1-1/2hr tow, the dredged material can be unloaded.									
DRE5M	DREDGING CREW	35.00	CH	Prod: 5.0000	HU	Lab Pcs: 5.00	Eqp Pcs: 4.00		
8BAD01	Paula Lee Derrick - D	1.00	35.00	HR	1,063.753		7,402	29,830	37,231
8BAD14	Flat Barge - Dutra	1.00	35.00	HR	66.285		729	1,591	2,320
8BUC06	Bucket-Clam Mtl HD	1.00	35.00	HR	20.005		700		700
8TUG15	Tugboat 1500 HP	1.00	35.00	HR	400.000		14,000		14,000
NCOE29	Oper Clamshell >7cy,	1.00	35.00	MH	37.990	2,788			2,788
NCOE38	Oper Oiler, GR 1A	1.00	35.00	MH	28.730	2,299			2,299
NCOE42	Oper Captain, GR 1	1.00	35.00	MH	37.240	2,782			2,782

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2070	CLIENT# = 2.7		Land Item	SCHEDULE: 1	100					
Description = DREDGING				Unit = CY	Takeoff Quan:	9,200.000	Engr Quan:		9,200.000	
NCOE45	Oper Deck Engineer,	1.00	35.00 MH	31.160	2,461					2,461
NCOE49	Oper H.D. Repairman	1.00	35.00 MH	32.280	2,520					2,520
\$67,101.21	25.0000 MH/EA	175.0000	MH	[948.321]	12,850	22,831		31,420		67,101
0.2000	Units/H	2.0000	Un/Shift	0.0400 Unit/M	1,835.67	3,261.57		4,488.64		9,585.89
3855	BUILD TRUCK RAMPS			Quan: 700.00 CY	Hrs/Shft: 10.00	Cal: 510	WC: 1			
DOZ10	DOZER, 1 OPER		31.11 CH	Prod: 22.5008 UH	Lab Pcs:	1.00	Eqp Pcs:	2.00		
8COM20	Tndm Roller, 2.5tn (B	1.00	31.11 HR	21.665		674				674
8DOZ06	Dozer-CAT D6D	1.00	31.11 HR	53.389		1,661				1,661
NCOE13	Oper Dozer, GR 4	1.00	31.11 MH	32.380	2,215					2,215
\$4,549.84	0.0444 MH/CY	31.1100	MH	[1.63]	2,215	2,335				4,550
22.5008	Units/H*	225.0080	Un/Shift	22.5008 Unit/M	3.16	3.34				6.50
3860	F & I LANDSIDE SILT FENCE			Quan: 400.00 FT	Hrs/Shft: 10.00	Cal: 510	WC: 1			
4FEN00	Fencing Sub		400.00 LF	6.000					2,400	2,400
3865	BUILD CONTAINMENT BERM			Quan: 1,170.00 CY	Hrs/Shft: 10.00	Cal: 510	WC: 1			
1500lf x .78cy/lf = 1170cy										
DOZ10	DOZER, 1 OPER		30.00 CH	Prod: 39.0000 UH	Lab Pcs:	1.00	Eqp Pcs:	1.00		
8DOZ06	Dozer-CAT D6D	1.00	30.00 HR	53.389		1,602				1,602
NCOE13	Oper Dozer, GR 4	1.00	30.00 MH	32.380	2,136					2,136
\$3,737.58	0.0256 MH/CY	30.0000	MH	[0.941]	2,136	1,602				3,738
39.0000	Units/H*	390.0000	Un/Shift	39.0000 Unit/M	1.83	1.37				3.19
3868	UNLOAD DREDGED MATERIAL			Quan: 6,550.00 CY	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Assume material is loaded into semis who drive down the road and go down another ramp to unload on the other side of the levee.										
Allow 3trucks x 10hr/sh x 9sh = 270hr										
DRE5M	DREDGING CREW		83.97 CH	Prod: 78.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	4.00		
8BAD01	Paula Lee Derrick - D	1.00	83.97 HR	1,063.753		17,758		71,565		89,323

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 2070										
CLIENT# = 2.7										
Land Item										
SCHEDULE: 1										
Unit = CY										
Takeoff Quan: 100										
Description = DREDGING										
Unit = CY										
9,200.000										
Engr Quan: 9,200.000										
8BAD14	Flat Barge - Dutra	1.00	83.97	HR	66.285		1,749		3,817	5,566
8BUC06	Bucket-Clam Mtl HD	1.00	83.97	HR	20.005		1,680			1,680
8TKD20	Dump Truck-Semi En		270.00	HR	95.000		25,650			25,650
8TUG15	Tugboat 1500 HP	1.00	83.97	HR	400.000		33,588			33,588
NCOE29	Oper Clamshell >7cy,	1.00	83.97	MH	37.990	6,689				6,689
NCOE38	Oper Oiler, GR 1A	1.00	83.97	MH	28.730	5,516				5,516
NCOE42	Oper Captain, GR 1	1.00	83.97	MH	37.240	6,674				6,674
NCOE45	Oper Deck Engineer,	1.00	83.97	MH	31.160	5,904				5,904
NCOE49	Oper H.D. Repairman	1.00	83.97	MH	32.280	6,046				6,046
\$186,635.39	0.0640 MH/CY	419.8500	MH	[2.431]	30,828		80,425		75,382	186,635
78.0040	Units/H*	780.0405	Un/Shift	15.6008	Unit/M	4.71	12.28		11.51	28.49

3870	SPREAD DREDGED MATERIAL	Quan: 6,550.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:1
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Spread material as it is placed by trucks. Allow same amount of time.

<u>DOZ1Q</u>	DOZER, 1 OPER		83.97	CH	Prod: 78.0000 UH	Lab Pcs: 1.00	Eqp Pcs: 1.00	
8DOZ06	Dozer-CAT D6D	1.00	83.97	HR	53.389		4,483	4,483
NCOE13	Oper Dozer, GR 4	1.00	83.97	MH	32.380	5,978		5,978
\$10,461.50	0.0128 MH/CY		83.9700	MH	[0.47]	5,978	4,483	10,462
78.0040	Units/H*	780.0405	Un/Shift	78.0041	Unit/M	0.91	0.68	1.60

3871 ALLOW FLAGGERS Quan: 9.00 SH Hrs/Shft: 10.00 Cal: 510 WC:1

Allow two flaggers while loading and unloading trucks.

<u>2L</u>	2-MAN LAB CREW			90.00	CH	Prod: 10.0000 HU	Lab Pcs: 2.00	Eqp Pcs: 0.00	
NCLA04	Laborer, JRMN-Speci	2.00	180.00	MH		26.850	9,991		9,991
\$9,990.87	20.0000 MH/SH		180.0000	MH		[608.421]	9,991		9,991
0.1000	Units/H	1.0000	Un/Shift		0.0500	Unit/M	1,110.10		1,110.10

3872	DISC DREDGED MATERIAL	Quan:	9.00	SH	Hrs/Shft:	10.00	Cal:	510	WC:	1
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Disc materials in this Item because there is no toe berm construction at Old River.

COST REPORT

Activity	Description	Pcs	Quantity		Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource								Material	Matl/ExOwnershi	Operatio		Contract	
BID ITEM = 2070	CLIENT# = 2.7		Land Item	SCHEDULE:	1	100							
Description = DREDGING				Unit = CY		Takeoff Quan:	9,200.000		Engr Quan:	9,200.000			
DOZ1O	DOZER, 1 OPER		72.00 CH	Prod:	8.0000 HU		Lab Pcs:	1.00	Eqp Pcs:	1.00			
8DOZ06	Dozer-CAT D6D	1.00	72.00 HR		53.389			3,844					3,844
NCOE13	Oper Dozer, GR 4	1.00	72.00 MH		32.380		5,126						5,126
\$8,970.21	8.0000 MH/SF		72.0000 MH	[293.493]			5,126		3,844				8,970
0.1250 Units/H	1.2500 Un/Shift		0.1250 Unit/M				569.58		427.11				996.69
3890	DRAW DREDGED AREA			Quan:	20,160.00 SF	Hrs/Shft:	10.00	Cal:	510 WC: 1				
Dredged Area: 224ft x 90ft = 20,160sf													
DRE5M	DREDGING CREW		5.00 CH	Prod:	4,032.0000 UH		Lab Pcs:	5.00	Eqp Pcs:	4.00			
8BAD01	Paula Lee Derrick - D	1.00	5.00 HR		1,063.753			1,057		4,261			5,319
8BAD14	Flat Barge - Dutra	1.00	5.00 HR		66.285			104		227			331
8BUC06	Bucket-Clam Mtl HD	1.00	5.00 HR		20.005			100					100
8TUG15	Tugboat 1500 HP	1.00	5.00 HR		400.000			2,000					2,000
NCOE29	Oper Clamshell >7cy,	1.00	5.00 MH		37.990	398							398
NCOE38	Oper Oiler, GR 1A	1.00	5.00 MH		28.730	328							328
NCOE42	Oper Captain, GR 1	1.00	5.00 MH		37.240	397							397
NCOE45	Oper Deck Engineer,	1.00	5.00 MH		31.160	352							352
NCOE49	Oper H.D. Repairman	1.00	5.00 MH		32.280	360							360
\$9,585.90	0.0012 MH/SF		25.0000 MH	[0.047]		1,836		3,262		4,489			9,586
4,032.0000 Units/H*	40,320.0000 Un/Shift		806.4061 Unit/M			0.09		0.16		0.22			0.48
===== Item Totals: 2070 - DREDGING													
\$386,461.58	0.1291 MH/CY		1,187.83 MH	[4.721]		83,509		158,577		141,976	2,400		386,462
42.007	9200 CY					9.08		17.24		15.43	0.26		42.01

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/ExOwnershi	Equipme Operatio	Equipme	Sub- Contract	Total

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2080	CLIENT# = 2.8	Land Item	SCHEDULE: 1	100						
Description = BEDDING MATERIAL		Unit = TON	Takeoff Quan:	2,600.000	Engr Quan:	2,600.000				
NCPD01	Piledriver Foreman	1.00	15.20 MH	37.290	1,228					1,228
NCPD02	Piledriverman	2.00	30.40 MH	33.900	2,300					2,300
\$30,535.29	0.0200 MH/TON	76.0000	MH	[0.779]	5,737	10,344		14,454		30,535
250.0000	Units/H*	2,500.0000	Un/Shift	50.0000 Unit/M	1.51	2.72		3.80		8.04
2650050	SCREED BEDDING MATERIAL	Quan: 20,160.00 SF	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>DER5M</u>	DERRICK CREW 5MEN	5.00	CH	Prod: 4,032.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	6.00		
8BAD01	Paula Lee Derrick - D	1.00	5.00 HR	1,063.753		1,057		4,261		5,319
8BAD14	Flat Barge - Dutra	2.00	10.00 HR	66.285		208		455		663
8CO250	Compressor 250 CFM	1.00	5.00 HR	20.382		74		28		102
8TUG15	Tugboat 1500 HP	1.00	5.00 HR	400.000		2,000				2,000
8WE200	Welder-DSL 200 amp	1.00	5.00 HR	14.765		64		10		74
NCOE29	Oper Clamshell >7cy,	1.00	5.00 MH	37.990	398					398
NCOE38	Oper Oiler, GR 1A	1.00	5.00 MH	28.730	328					328
NCPD01	Piledriver Foreman	1.00	5.00 MH	37.290	404					404
NCPD02	Piledriverman	2.00	10.00 MH	33.900	757					757
\$10,044.53	0.0012 MH/SF	25.0000	MH	[0.048]	1,887	3,403		4,755		10,045
4,032.0000	Units/H*	40,320.0000	Un/Shift	806.4061 Unit/M	0.09	0.17		0.24		0.50
=====> Item Totals:	2080 - BEDDING MATERIAL									
\$128,149.32	0.0388 MH/TON	101.00	MH	[1.512]	7,624	53,970	47,347	19,208		128,149
49.288	2600 TON									
					2.93	20.76	18.21	7.39		49.29
BID ITEM = 2090	CLIENT# = 2.9	Land Item	SCHEDULE: 1	100						
Description = ROCK FILL		Unit = TON	Takeoff Quan:	7,300.000	Engr Quan:	7,300.000				

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 2090 CLIENT# = 2.9 Land Item SCHEDULE: 1 100
Description = ROCK FILL Unit = TON Takeoff Quan: 7,300.000 Engr Quan: 7,300.000

2650020 FURNISH ROCK MATERIAL Quan: 7,050.00 TON Hrs/Shft: 10.00 Cal: 510 WC:1

Supplier furnish rock material loaded on contractor's barge.

2ROCK	Rock Mat'l@109.25%	7,050.00 TON	15.000	115,532	115,532
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2650030 TOW FLAT BARGE FROM S.R. & BACK Quan: 7.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

Tandem tow from Rio Vista to San Rafael, 46mi/6mph = 7.7hr
Tug standby for barge loading, no charge
tandem tow from S.R. to Rio Vista, 46mi/5mph = 9.2hr
Single tow from Rio Vista to Old River, 38mi/5mph = 7.6hr
Tug standby for barge unloading, no charge
Tug return w/ empty from Old River to Rio Vista, 38mi/8mph = 4.8hr
Single tow from Rio Vista to Old River, 38mi/5mph = 7.6hr
Tug standby for barge unloading, no charge
Tug return w/ empty from Old River to Rio Vista, 38mi/8mph = 4.8hr

Total 41.7hr, Say 42hr for two barges or 21hr/load

8TUG15	Tugboat 1500 HP	147.00 HR	400.000	58,800	58,800
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2650040 PLACE ROCK MATERIAL Quan: 7,050.00 TON Hrs/Shft: 10.00 Cal: 510 WC:1

<u>DER5M</u>	DERRICK CREW 5MEN	28.20 CH	Prod: 250.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 6.00	
8BAD01	Paula Lee Derrick - D	1.00 28.20 HR	1,063.753	5,964	24,034	29,998
8BAD14	Flat Barge - Dutra	2.00 56.40 HR	66.285	1,175	2,564	3,738
8CO250	Compressor 250 CFM	1.00 28.20 HR	20.382	415	160	575
8TUG15	Tugboat 1500 HP	1.00 28.20 HR	400.000	11,280		11,280
8WE200	Welder-DSL 200 amp	1.00 28.20 HR	14.765	359	58	416
NCOE29	Oper Clamshell >7cy,	1.00 28.20 MH	37.990	2,246		2,246
NCOE38	Oper Oiler, GR 1A	1.00 28.20 MH	28.730	1,853		1,853
NCPD01	Piledriver Foreman	1.00 28.20 MH	37.290	2,278		2,278
NCPD02	Piledriverman	2.00 56.40 MH	33.900	4,267		4,267

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2090	CLIENT# = 2.9	Land Item	SCHEDULE: 1	100						
Description = ROCK FILL			Unit = TON	Takeoff Quan:	7,300.000	Engr Quan:	7,300.000			
\$56,651.04	0.0200 MH/TON	141.0000	MH	[0.779]	10,644	19,192	26,816			56,651
250.0000	Units/H*	2,500.0000	Un/Shift	50.0000 Unit/M	1.51	2.72	3.80			8.04
=====> Item Totals:	2090 - ROCK FILL									
\$230,982.92	0.0193 MH/TON	141.00	MH	[0.752]	10,644	115,532	77,992	26,816		230,983
31.641	7300 TON				1.46	15.83	10.68	3.67		31.64

BID ITEM = 2100 CLIENT# = 2.10 Land Item SCHEDULE: 1 100
Description = BARGE INSTALLATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2800005	FURNISH & INSTALL 500 TN PILE	Quan: 4.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>DER7M</u>	DERRICK CREW 7MEN	80.00	CH	Prod: 20.0000	HU	Lab Pcs: 7.00	Eqp Pcs: 6.00			
3FREIGHT	Freight Allowance	1.00	LS	3,200.000		3,200				3,200
3MISC STEEL	Misc Steel Materials	20,000.00	LB	0.600		12,000				12,000
3OXY00	Oxygen & Acetylene	8.00	SH	50.000		400				400
3PILE STL	Pipe Steel - 500tn	133,200.00	LB	0.900		119,880				119,880
3STRAIN JACK	Strand Jack	4.00	EA	15,000.000		60,000				60,000
3WEL00	Welding Mat'ls	8.00	SH	100.000		800				800
8BAD01	Paula Lee Derrick - D	1.00	80.00	HR	1,063.753	16,918	68,182			85,100
8BAD14	Flat Barge - Dutra	2.00	160.00	HR	66.285	3,333	7,273			10,606
8CO250	Compressor 250 CFM	1.00	80.00	HR	20.382	1,176	455			1,631
8TUG15	Tugboat 1500 HP	1.00	80.00	HR	400.000	32,000				32,000
8WE200	Welder-DSL 200 amp	1.00	80.00	HR	14.765	1,018	164			1,181
NCOE29	Oper Clamshell >7cy,	1.00	80.00	MH	37.990	6,373				6,373
NCOE38	Oper Oiler, GR 1A	1.00	80.00	MH	28.730	5,255				5,255
NCPD01	Piledriver Foreman	1.00	80.00	MH	37.290	6,462				6,462
NCPD02	Piledriverman	4.00	320.00	MH	33.900	24,210				24,210

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 2100 CLIENT# = 2.10 Land Item SCHEDULE: 1 100
Description = BARGE INSTALLATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

\$369,097.28	140.0000 MH/EA	560.0000	MH	[5429.563]	42,300	250,725	76,073		369,097
0.0500	Units/H	0.5000	Un/Shift	0.0071 Unit/M	10,574.92	62,681.20	19,018.20		92,274.32

2800010 SETUP TO POSITION BARGE & FLOOD Quan: 2.00 SH Hrs/Shft: 10.00 Cal: 510 WC: 1

DER7M DERRICK CREW 7MEN 20.00 CH Prod: 10.0000 HU Lab Pcs: 7.00 Eqp Pcs: 6.00

8BAD01	Paula Lee Derrick - D	1.00	20.00	HR	1,063.753	4,230	17,045		21,275
8BAD14	Flat Barge - Dutra	2.00	40.00	HR	66.285	833	1,818		2,651
8CO250	Compressor 250 CFM	1.00	20.00	HR	20.382	294	114		408
8TUG15	Tugboat 1500 HP	1.00	20.00	HR	400.000	8,000			8,000
8WE200	Welder-DSL 200 amp	1.00	20.00	HR	14.765	254	41		295
NCOE29	Oper Clamshell >7cy,	1.00	20.00	MH	37.990	1,593			1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00	MH	28.730	1,314			1,314
NCPD01	Piledriver Foreman	1.00	20.00	MH	37.290	1,615			1,615
NCPD02	Piledriverman	4.00	80.00	MH	33.900	6,053			6,053
\$43,204.33	70.0000 MH/SH	140.0000	MH	[2714.78]	10,575	13,611	19,018		43,204
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.47	6,805.60	9,509.10		21,602.17

2800020 FLOOD BARGE Quan: 1.00 SH Hrs/Shft: 10.00 Cal: 510 WC: 1

Have diver team on standby as a precaution.

DER7M DERRICK CREW 7MEN 10.00 CH Prod: 10.0000 HU Lab Pcs: 7.00 Eqp Pcs: 6.00

4DIV00	Diving Sub	1.00	SH	4,600.000				4,600	4,600
8BAD01	Paula Lee Derrick - D	1.00	10.00	HR	1,063.753	2,115	8,523		10,638
8BAD14	Flat Barge - Dutra	2.00	20.00	HR	66.285	417	909		1,326
8CO250	Compressor 250 CFM	1.00	10.00	HR	20.382	147	57		204
8TUG15	Tugboat 1500 HP	1.00	10.00	HR	400.000	4,000			4,000
8WE200	Welder-DSL 200 amp	1.00	10.00	HR	14.765	127	20		148
NCOE29	Oper Clamshell >7cy,	1.00	10.00	MH	37.990	797			797
NCOE38	Oper Oiler, GR 1A	1.00	10.00	MH	28.730	657			657
NCPD01	Piledriver Foreman	1.00	10.00	MH	37.290	808			808

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2100	CLIENT# = 2.10	Land Item	SCHEDULE: 1	100						
Description = BARGE INSTALLATION		Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000				
NCPD02	Piledriverman	4.00	40.00 MH	33.900	3,026					3,026
\$26,202.14	70.0000 MH/SH	70.0000	MH	[2714.77]	5,287	6,806		9,509	4,600	26,202
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.44	6,805.60		9,509.10	4,600.00	26,202.14
2800030	PROVIDE EXTRA EQUIPMENT	Quan: 2.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1				
8PUD010	Pump - High Volume	24.00	HR	77.273		1,855				1,855
8PUD04	Pump 4" Dewatering	72.00	HR	14.145		1,018				1,018
8TUG10	Tugboat 1000 HP	16.00	HR	310.000		4,960				4,960
\$7,832.99				[]		7,833				7,833
0.1250	Units/H	1.2500	Un/Shift			3,916.50				3,916.50
2800040	REMOVE TEMP PILE	Quan: 4.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>DER7M</u>	DERRICK CREW 7MEN	15.00	CH	Prod: 3.7500	HU	Lab Pcs: 7.00	Eqp Pcs: 6.00			
8BAD01	Paula Lee Derrick - D	1.00	15.00 HR	1,063.753		3,172		12,784		15,956
8BAD14	Flat Barge - Dutra	2.00	30.00 HR	66.285		625		1,364		1,989
8CO250	Compressor 250 CFM	1.00	15.00 HR	20.382		221		85		306
8TUG15	Tugboat 1500 HP	1.00	15.00 HR	400.000		6,000				6,000
8WE200	Welder-DSL 200 amp	1.00	15.00 HR	14.765		191		31		221
NCOE29	Oper Clamshell >7cy,	1.00	15.00 MH	37.990	1,195					1,195
NCOE38	Oper Oiler, GR 1A	1.00	15.00 MH	28.730	985					985
NCPD01	Piledriver Foreman	1.00	15.00 MH	37.290	1,212					1,212
NCPD02	Piledriverman	4.00	60.00 MH	33.900	4,539					4,539
\$32,403.27	26.2500 MH/EA	105.0000	MH	[1018.048]	7,931	10,208		14,264		32,403
0.2667	Units/H	2.6667	Un/Shift	0.0381 Unit/M	1,982.81	2,552.10		3,565.91		8,100.82
=====> Item Totals:	2100 - BARGE INSTALLATION									
\$478,740.01	875.0000 MH/LS	875.00	MH	[33934.77]	66,093	289,183		118,864	4,600	478,740
478,740.010	1 LS				66,093.28	289,182.99		118,863.74	4,600.00	478,740.01

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 2110 CLIENT# = 2.11 Land Item SCHEDULE: 1 100
Description = MONO PILES - 36" Unit = LF Takeoff Quan: 462.000 Engr Quan: 462.000

71342 SPLICE PIPE PILE ON GROUND Quan: 56.60 LF Hrs/Shft: 10.00 Cal: 510 WC:1

Splice 40ft pipe into 72ft piles. One weld per pile.
9.42 lf/ea x 6ea = 56.5 lf of welding.

<u>WELC4M</u>	WELDING CREW W/ CRANE, 4-ME	14.15	CH	Prod: 4.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	5.00		
3OXY00	Oxygen & Acetylene	1.80	SH	50.000			90			90
3WEL00	Welding Mat'ls	7.21	SH	100.000			721			721
8CRH40	Crane Hydro-40tn	1.00	14.15 HR	64.541			913			913
8WE200	Welder-DSL 200 amp	4.00	56.60 HR	14.765			720	116		836
NCOE37	Oper Crane <45tn, G	1.00	14.15 MH	34.490	1,052					1,052
NCPD02	Piledriverman	4.00	56.60 MH	33.900	4,282					4,282
\$7,894.55	1.2500 MH/LF	70.7500	MH	[48.178]	5,335	2,444		116		7,895
4.0000	Units/H*	40.0000	Un/Shift	0.8000 Unit/M	94.25	43.18		2.04		139.48

71349 LOAD PIPE PILE ON BARGE Quan: 6.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

<u>CR5M</u>	CRANE, 5-MEN	1.50	CH	Prod: 4.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	1.50 HR	86.044			129			129
NCOE31	Oper Crane >100tn, G	1.00	1.50 MH	37.990	119					119
NCOE38	Oper Oiler, GR 1A	1.00	1.50 MH	28.730	99					99
NCPD01	Piledriver Foreman	1.00	1.50 MH	37.290	121					121
NCPD02	Piledriverman	2.00	3.00 MH	33.900	227					227
\$695.21	1.2500 MH/EA	7.5000	MH	[48.665]	566	129				695
4.0000	Units/H*	40.0000	Un/Shift	0.8000 Unit/M	94.36	21.51				115.87

71350 TRANSPORT PIPE PILE - BARGE Quan: 68.00 TN Hrs/Shft: 10.00 Cal: 510 WC:1

Transport to jobsite with other pipe pile.

There are no cost resources for this activity.

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 2110 CLIENT# = 2.11 Land Item SCHEDULE: 1 100
Description = MONO PILES - 36" Unit = LF Takeoff Quan: 462.000 Engr Quan: 462.000

71352 RIG MOVES Quan: 6.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

Allowance for moving from one location to the next.

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	3.00	CH	Prod: 0.5000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00		
8BAD04	Crane Barge w/200tn	1.00	3.00 HR	523.000		219	1,350	1,569
8BAR10	Flat Barge - 1000tn	1.00	3.00 HR	85.227		256		256
8BOD02	Crewboat "Joey" - Du	1.00	3.00 HR	66.009		113	85	198
8CO250	Compressor 250 CFM	1.00	3.00 HR	20.382		44	17	61
8HAD46	Hammer Delmag D46	1.00	3.00 HR	100.135		300		300
8HAVE3	Vibratory Extractor -	1.00	3.00 HR	96.537		290		290
8WE400	Welder-DSL 400 amp	1.00	3.00 HR	18.800		41	15	56
NCOE31	Oper Crane >100tn, G	1.00	3.00 MH	37.990	239			239
NCOE38	Oper Oiler, GR 1A	1.00	3.00 MH	28.730	197			197
NCPD01	Piledriver Foreman	1.00	3.00 MH	37.290	242			242
NCPD02	Piledriverman	4.00	12.00 MH	33.900	908			908
\$4,316.49	3.5000 MH/EA	21.0000	MH	[135.738]	1,586	1,263	1,467	4,316
2.0000	Units/H	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50	244.54	719.42

71371 DRIVE WATER PIPE PILE Quan: 6.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	6.00	CH	Prod: 1.0000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00		
8BAD04	Crane Barge w/200tn	1.00	6.00 HR	523.000		438	2,700	3,138
8BAR10	Flat Barge - 1000tn	1.00	6.00 HR	85.227		511		511
8BOD02	Crewboat "Joey" - Du	1.00	6.00 HR	66.009		226	170	396
8CO250	Compressor 250 CFM	1.00	6.00 HR	20.382		88	34	122
8HAD46	Hammer Delmag D46	1.00	6.00 HR	100.135		601		601
8HAVE3	Vibratory Extractor -	1.00	6.00 HR	96.537		579		579
8WE400	Welder-DSL 400 amp	1.00	6.00 HR	18.800		83	30	113
NCOE31	Oper Crane >100tn, G	1.00	6.00 MH	37.990	478			478
NCOE38	Oper Oiler, GR 1A	1.00	6.00 MH	28.730	394			394

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2110	CLIENT# = 2.11	Land Item	SCHEDULE: 1	100						
Description = MONO PILES - 36"			Unit = LF	Takeoff Quan:	462.000	Engr Quan:	462.000			
NCPD01	Piledriver Foreman	1.00	6.00 MH	37.290	485					485
NCPD02	Piledriverman	4.00	24.00 MH	33.900	1,816					1,816
\$8,633.02	7.0000 MH/EA	42.0000	MH	[271.478]	3,172	2,526		2,935		8,633
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84
=====> Item Totals:	2110 - MONO PILES - 36"									
\$143,982.16	0.3425 MH/LF	158.25	MH	[13.255]	11,943	106,727	20,795	4,518		143,982
311.650	462 LF				25.85	231.01	45.01	9.78		311.65

BID ITEM = 2120 CLIENT# = 2.12 Land Item SCHEDULE: 1 100
Description = GATES & FENCE Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2110010 FURNISH & INSTALL SECURITY GATES Quan: 2.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

Install security gates on catwalks.

<u>CRB7M</u>	DERRICK, 7MEN	4.00	CH	Prod: 2.0000 HU	Lab Pcs: 7.00	Eqp Pcs: 5.00				
2SECURITY GA	Security Gate @109.2	2.00	EA	3,000.000	6,555					6,555
8BAD04	Crane Barge w/200tn	1.00	4.00 HR	523.000		292		1,800		2,092
8BAR10	Flat Barge - 1000tn	1.00	4.00 HR	85.227		341				341
8CO250	Compressor 250 CFM	1.00	4.00 HR	20.382		59		23		82
8WE400	Welder-DSL 400 amp	2.00	8.00 HR	18.800		110		40		150
NCOE31	Oper Crane >100tn, G	1.00	4.00 MH	37.990	319					319
NCOE38	Oper Oiler, GR 1A	1.00	4.00 MH	28.730	263					263
NCPD01	Piledriver Foreman	1.00	4.00 MH	37.290	323					323
NCPD02	Piledriverman	4.00	16.00 MH	33.900	1,211					1,211
\$11,334.80	14.0000 MH/EA	28.0000	MH	[542.955]	2,115	6,555	802	1,863		11,335
0.5000	Units/H	5.0000	Un/Shift	0.0714 Unit/M	1,057.49	3,277.50	401.05	931.36		5,667.40

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/ExOwnershi	Equipme Operatio	Equipme	Sub- Contract	Total
BID ITEM = 2120 CLIENT# = 2.12 Land Item SCHEDULE: 1 100											
Description = GATES & FENCE				Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000			
2110020	FURN & INSTALL RAMP GATE			Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Furnish and install security fence and gate at the top of boat ramp.											
3C1Q	4-MAN CREW, 3-CARP,1-OP18	4.00	CH	Prod: 4.0000 HU	Lab Pcs:	4.00	Eqp Pcs:	1.00			
2GATE-RAMP	Security Gate @109.2	1.00	EA	3,000.000		3,278					3,278
8CRH40	Crane Hydro-40tn	1.00	4.00 HR	64.541			258				258
NCCA01	Carpenter, FRMN, SF	1.00	4.00 MH	38.220	314						314
NCCA02	Carpenter, JRMN, SF	2.00	8.00 MH	34.750	586						586
NCOE37	Oper Crane <45tn, G	1.00	4.00 MH	34.490	298						298
\$4,732.63	16.0000 MH/EA	16.0000	MH	[644.52]	1,197	3,278	258				4,733
0.2500	Units/H	2.5000	Un/Shift	0.0625 Unit/M	1,196.97	3,277.50	258.16				4,732.63
2110030	FURN & INSTALL FENCE			Quan: 180.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Furnish and install fence around utility yard.											
4FEN00	Fencing Sub	180.00	LF	20.000						3,600	3,600
2110040	FURN & INSTALL YARD GATE			Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
4FEN00	Fencing Sub	1.00	LS	1,200.000						1,200	1,200
=====> Item Totals: 2120 - GATES & FENCE											
\$20,867.43	44.0000 MH/LS	44.00	MH	[1730.43]	3,312	9,833	1,060	1,863	4,800		20,867
20,867.430	1 LS				3,311.95	9,832.50	1,060.26	1,862.72	4,800.00		20,867.43

BID ITEM = 2130 CLIENT# = 2.13 Land Item SCHEDULE: 1 100
Description = SIGNS, NAVIGATION LIGHTS, BUOYS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2130 CLIENT# = 2.13 Land Item SCHEDULE: 1 100 Description = SIGNS, NAVIGATION LIGHTS, BUOYS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000										
2120010	FURNISH & INSTALL SIGNS	Quan:	22.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C</u>	2-MAN CARP CREW	22.00	CH	Prod:	1.0000 HU	Lab Pcs:	2.00	Eqp Pcs:	1.00	
2SIGNS	Warning/Info S@109.	22.00	EA	200.000		4,807				4,807
8CO150	Compressor 150 CFM	1.00	22.00 HR	16.165			256		100	356
NCCA02	Carpenter, JRMN, SF	2.00	44.00 MH	34.750		3,221				3,221
\$8,383.80	2.0000 MH/EA	44.0000	MH	[78.744]		3,221	4,807		100	8,384
1.0000	Units/H	10.0000	Un/Shift	0.5000	Unit/M	146.42	218.50	11.62	4.55	381.08
2120020	FURNISH & INSTALL MESSAGE BOARD	Quan:	2.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	6.00	CH	Prod:	3.0000 HU	Lab Pcs:	3.00	Eqp Pcs:	1.00	
2MESS BOARD	Message Board@109.	2.00	EA	2,500.000		5,463				5,463
8CRH40	Crane Hydro-40tn	1.00	6.00 HR	64.541			387			387
NCCA02	Carpenter, JRMN, SF	2.00	12.00 MH	34.750		879				879
NCOE37	Oper Crane <45tn, G	1.00	6.00 MH	34.490		446				446
\$7,174.52	9.0000 MH/EA	18.0000	MH	[353.46]		1,325	5,463		387	7,175
0.3333	Units/H	3.3333	Un/Shift	0.1111	Unit/M	662.39	2,731.25	193.62		3,587.26
2120030	FURNISH & INSTALL NAVIGATION LIGHT	Quan:	2.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C</u>	2-MAN CARP CREW	2.00	CH	Prod:	1.0000 HU	Lab Pcs:	2.00	Eqp Pcs:	1.00	
2NAV LIGHT	Navigational L@109.	2.00	EA	150.000		328				328
8CO150	Compressor 150 CFM	1.00	2.00 HR	16.165			23		9	32
NCCA02	Carpenter, JRMN, SF	2.00	4.00 MH	34.750		293				293
\$652.92	2.0000 MH/EA	4.0000	MH	[78.745]		293	328		9	653
1.0000	Units/H	10.0000	Un/Shift	0.5000	Unit/M	146.42	163.88	11.62	4.55	326.46
2120040	FURN & INSTALL FLASHING BARRIER LIT	Quan:	8.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C</u>	2-MAN CARP CREW	8.00	CH	Prod:	1.0000 HU	Lab Pcs:	2.00	Eqp Pcs:	1.00	
2FLASH LITE	Flashing Barri@109.2	8.00	EA	150.000		1,311				1,311

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-		
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total

BID ITEM = 2140 CLIENT# = 2.14 Land Item SCHEDULE: 1 100
Description = ELECTRICAL & LIGHTING Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 2140 CLIENT# = 2.14 Land Item SCHEDULE: 1 100
Description = ELECTRICAL & LIGHTING Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2130005	UNLOAD MATERIALS	Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	4.00 CH	Prod: 4.0000 HU	Lab Pcs: 3.00	Eqp Pcs: 1.00					
8CRH40	Crane Hydro-40tn	1.00 4.00 HR	64.541			258				258
NCCA02	Carpenter, JRMN, SF	2.00 8.00 MH	34.750	586						586
NCOE37	Oper Crane <45tn, G	1.00 4.00 MH	34.490	298						298
\$1,141.36	12.0000 MH/LS	12.0000 MH	[471.3]	883		258				1,141
0.2500	Units/H	2.5000 Un/Shift	0.0833 Unit/M	883.20		258.16				1,141.36

2130010	FURN & INSTALL LIGHT POLE	Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
Furnish and install fold-down light pole with two flood lights on operator house.										
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	2.00 CH	Prod: 2.0000 HU	Lab Pcs: 3.00	Eqp Pcs: 1.00					
2LITE POLE-1	Folding Lite P@109.2	1.00 EA	1,680.000	1,835						1,835
8CRH40	Crane Hydro-40tn	1.00 2.00 HR	64.541			129				129
NCCA02	Carpenter, JRMN, SF	2.00 4.00 MH	34.750	293						293
NCOE37	Oper Crane <45tn, G	1.00 2.00 MH	34.490	149						149
\$2,406.08	6.0000 MH/EA	6.0000 MH	[235.64]	442	1,835	129				2,406
0.5000	Units/H	5.0000 Un/Shift	0.1667 Unit/M	441.60	1,835.40	129.08				2,406.08

2130020	FURN & INSTALL LEVEE LIGHT POLES	Quan: 2.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
Furnish and Install two 35' light poles on levee.										
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	6.00 CH	Prod: 3.0000 HU	Lab Pcs: 3.00	Eqp Pcs: 1.00					
2CON4000	Concrete - 400@109.	2.00 CY	110.000	240						240
2LITE POLE-2	Area Light Pol@109.	2.00 EA	1,800.000	3,933						3,933
8CRH40	Crane Hydro-40tn	1.00 6.00 HR	64.541			387				387
NCCA02	Carpenter, JRMN, SF	2.00 12.00 MH	34.750	879						879
NCOE37	Oper Crane <45tn, G	1.00 6.00 MH	34.490	446						446
\$5,885.37	9.0000 MH/EA	18.0000 MH	[353.46]	1,325	4,173	387				5,885
0.3333	Units/H	3.3333 Un/Shift	0.1111 Unit/M	662.39	2,086.68	193.62				2,942.69

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total

COST REPORT

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-		
Resource		Pcs		Cost		Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total
</												

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 2140 CLIENT# = 2.14 Land Item SCHEDULE: 1 100
Description = ELECTRICAL & LIGHTING Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

=====> **Item Totals: 2140 - ELECTRICAL & LIGHTING**

\$91,583.82	100.6900 MH/LS	100.69	MH	[3694.6]	6,928	55,922	2,734		26,000	91,584
91,583.820	1 LS				6,928.28	55,921.80	2,733.74		26,000.00	91,583.82

BID ITEM = 3010 CLIENT# = 3.1 Land Item SCHEDULE: 1 100
Description = BARGE CONSTRUCTION / MODIFICATIONS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

1100005 PURCHASE OF BARGE **Quan: 1.00 LS Hrs/Shft: 10.00 Cal: 510 WC: 1**

**Unreviewed

Purchase of used barge:"Denise", 859,488 lb
Allowance of \$1,000,000 to purchase barge.

2BARGE DENIS	Purchase of Ba@109.	1.00	LS	1,000,000.000		1,092,500				1,092,500
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1100010 TOW BARGE TO DRYDOCK & BACK **Quan: 2.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1**

**Unreviewed

Tow barge from Rio Vista to San Francisco---56mi/7mph = 8hr
Tug light to Rio Vista, 56mi/12mph = 4.5hr

Total: 12.5hr, Say 13hr

8TUG15	Tugboat 1500 HP	26.00	HR	400.000			10,400			10,400
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1100015 BARGE DESIGN **Quan: 1.00 LS Hrs/Shft: 10.00 Cal: 510 WC: 1**

**Unreviewed

Allowance to design barge.

3BARGEDESIGN	Barge Design	1.00	LS	200,000.000			200,000			200,000
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1100020 PREP BARGE **Quan: 1.00 LS Hrs/Shft: 10.00 Cal: 510 WC: 1**

**Unreviewed

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 3010 CLIENT# = 3.1 Land Item SCHEDULE: 1 100
Description = BARGE CONSTRUCTION / MODIFICATIONS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

Dry dock barge to:

1. Remove concrete deck on existing barge;
2. Remove railing and bulkheads;
3. Paint hull.

<u>CR10M</u>	CRANE, 10-MEN	150.00	CH	Prod: 0.0000	Lab Pcs: 10.00	Eqp Pcs: 7.00				
2STL PLATE	Steel Plate@109.25%	100,000.00	LB	0.550	60,088					60,088
35105	Disposal Fee-Conc/Re	200.00	CY	45.000		9,000				9,000
4PAI00	Painting Sub	1.00	LS	100,000.000					100,000	100,000
8COH19	Compressor 190 CFM	3.00	450.00	HR	14.550	4,298		2,250		6,548
8CRC10	Crane Crawler-100tn	1.00	150.00	HR	86.044	12,907				12,907
8TKD20	Dump Truck-Semi En		80.00	HR	95.000	7,600				7,600
8WE400	Welder-DSL 400 amp	3.00	450.00	HR	18.800	6,210		2,250		8,460
NCOE31	Oper Crane >100tn, G	1.00	150.00	MH	37.990	11,949				11,949
NCOE38	Oper Oiler, GR 1A	1.00	150.00	MH	28.730	9,854				9,854
NCPD01	Piledriver Foreman	1.00	150.00	MH	37.290	12,115				12,115
NCPD02	Piledriverman	7.00	1,050.00	MH	33.900	79,440				79,440
\$317,959.02	1,500.0000 MH/LS	1,500.0000	MH	[58005.63]	113,357	60,088	40,014	4,500	100,000	317,959
0.0067	Units/H	0.0667	Un/Shift	0.0007 Unit/M	113,357.42	60,087.50	40,014.10	4,500.00	100,000.00	317,959.02

1100030 INSTALL SPUD WELLS & MODIFY BARGE Quan: 1.00 LS Hrs/Shft: 10.00 Cal: 510 WC:1

**Unreviewed

Install pipe post through barge. Cost of pipe posts materials is included with gate.

<u>CR10M</u>	CRANE, 10-MEN	250.00	CH	Prod: 250.0000 HU	Lab Pcs: 10.00	Eqp Pcs: 7.00				
2BARGE MATLS	Barge Matls@109.25	1.00	LS	400,000.000	437,000					437,000
3DRY DOCK	Dry Dock Cost	25.00	DAY	3,000.000		75,000				75,000
8COH19	Compressor 190 CFM	3.00	750.00	HR	14.550	7,163		3,750		10,913
8CRC10	Crane Crawler-100tn	1.00	250.00	HR	86.044	21,511				21,511
8WE400	Welder-DSL 400 amp	3.00	750.00	HR	18.800	10,350		3,750		14,100
NCOE31	Oper Crane >100tn, G	1.00	250.00	MH	37.990	19,914				19,914
NCOE38	Oper Oiler, GR 1A	1.00	250.00	MH	28.730	16,423				16,423

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 3010	CLIENT# = 3.1	Land Item	SCHEDULE: 1	100						
Description = BARGE CONSTRUCTION / MODIFICATIONS			Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000			
NCPD01	Piledriver Foreman	1.00	250.00 MH	37.290	20,192					20,192
NCPD02	Piledriverman	7.00	1,750.00 MH	33.900	132,399					132,399
\$747,452.54	2,500.0000 MH/LS	2,500.0000	MH	[96676.07]	188,929	437,000	114,024	7,500		747,453
0.0040	Units/H	0.0400	Un/Shift	0.0004 Unit/M	188,929.04	437,000.00	114,023.50	7,500.00		747,452.54

1100060 INSTALL PUMPING MANIFOLDS **Quan: 1.00 LS Hrs/Shift: 10.00 Cal: 510 WC: 1**

**Unreviewed

Allowance for flooding and pumping manifolds.

<u>WELC8M</u>	WELDING CREW W/ CRANE, 8-ME	23.74	CH	Prod: 20,001.8705 \$U	Lab Pcs:	9.00	Eqp Pcs:	9.00		
2EDUCTOR	Eductor 6-4-6@109.2	12.00	EA	4,000.000	52,440					52,440
2PIPING	Barge Piping -@109.2	1.00	LS	10,000.000	10,925					10,925
8CRH40	Crane Hydro-40tn	1.00	23.74 HR	64.541		1,532				1,532
8WE200	Welder-DSL 200 amp	8.00	189.94 HR	14.765		2,416		388		2,804
NCOE37	Oper Crane <45tn, G	1.00	23.74 MH	34.490	1,766					1,766
NCPD02	Piledriverman	8.00	189.94 MH	33.900	14,370					14,370
\$83,837.62	213.6800 MH/LS	213.6800	MH	[8223.04]	16,136	63,365	3,948	388		83,838
0.0421	Units/H	0.4212	Un/Shift	0.0047 Unit/M	16,135.99	63,365.00	3,948.21	388.42		83,837.62

1100070 FURNISH & INSTALL WING WALLS **Quan: 75,300.00 LB Hrs/Shift: 10.00 Cal: 510 WC: 1**

**Unreviewed

See Glostten takeoff. Freight is based on 12 truckloads at \$800/load = \$9600.

<u>WELC8M</u>	WELDING CREW W/ CRANE, 8-ME	402.21	CH	Prod: 4.5000 \$U	Lab Pcs:	9.00	Eqp Pcs:	9.00		
2END WALL	End Wall Steel@109.	75,300.00	LB	0.600	49,359					49,359
3FREIGHT	Freight Allowance	1.00	LS	9,600.000		9,600				9,600
8CRH40	Crane Hydro-40tn	1.00	402.21 HR	64.541		25,959				25,959
8WE200	Welder-DSL 200 amp	8.00	3,217.72 HR	14.765		40,929		6,580		47,510
NCOE37	Oper Crane <45tn, G	1.00	402.21 MH	34.490	29,916					29,916
NCPD02	Piledriverman	8.00	3,217.72 MH	33.900	243,442					243,442
\$405,785.90	0.0480 MH/LB	3,619.9300	MH	[1.85]	273,358	49,359	76,488	6,580		405,786
187.2156	Units/H	1,872.1563	Un/Shift	20.8015 Unit/M	3.63	0.66	1.02	0.09		5.39

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 3010 CLIENT# = 3.1 Land Item SCHEDULE: 1 100
Description = BARGE CONSTRUCTION / MODIFICATIONS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

1100080 FURNISH & INSTALL BALLAST Quan: 2.00 SH Hrs/Shft: 10.00 Cal: 510 WC:1

**Unreviewed

Freight is based on 4 loads x \$600 = \$2,400

<u>CR7M</u>	CRANE, 7-MEN	20.00	CH	Prod: 0.0000	Lab Pcs: 7.00	Eqp Pcs: 1.00		
2PIGIRON BAL	Pig Iron Balla@109.2	138,000.00	LB	0.300	45,230			45,230
3FREIGHT	Freight Allowance	1.00	LS	2,400.000		2,400		2,400
8CRC10	Crane Crawler-100tn	1.00	20.00	HR 86.044		1,721		1,721
NCOE31	Oper Crane >100tn, G	1.00	20.00	MH 37.990	1,593			1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00	MH 28.730	1,314			1,314
NCPD01	Piledriver Foreman	1.00	20.00	MH 37.290	1,615			1,615
NCPD02	Piledriverman	4.00	80.00	MH 33.900	6,053			6,053
\$59,925.31	70.0000 MH/SH	140.0000	MH	[2714.78]	10,575	45,230	4,121	59,925
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.47	22,614.75	2,060.44	29,962.66

1100090 HYDROSEED DISTURBED AREAS Quan: 2.00 ACRE Hrs/Shft: 10.00 Cal: 510 WC:1

4HYD00	hydroseeding	2.00	ACRE	1,500.000				3,000	3,000
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=====> **Item Totals: 3010 - BARGE CONSTRUCTION / MODIFICATIONS**

\$2,920,860.39	7,973.6100 MH/LS	7,973.61	MH	[307639.97]	602,355	1,747,541	448,995	18,969	103,000	2,920,860
2,920,860.390	1 LS				602,355.49	1,747,541.15	448,995.10	18,968.65	103,000.00	2,920,860.39

BID ITEM = 3020 CLIENT# = 3.2 Land Item SCHEDULE: 1 100
Description = FURNISH AND INSTALL GATES Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2750005 FURNISH AND FABRICATE GATES Quan: 564,000.00 LB Hrs/Shft: 10.00 Cal: 510 WC:1

**Unreviewed

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 3020	CLIENT# = 3.2	Land Item	SCHEDULE: 1	100						
Description = FURNISH AND INSTALL GATES		Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000				
<u>CR20M</u>	CRANE, 20-MEN	762.94	CH	Prod: 2.2500 \$U	Lab Pcs: 19.00	Eqp Pcs: 12.00				
2GATE STEEL	Gate Steel Mat@109.	564,000.00	LB	0.900	554,553					554,553
3FREIGHT	Freight Allowance	1.00	LS	10,500.000		10,500				10,500
8CO185	Compressor 185 CFM	5.00	3,814.73	HR				35,591		35,591
8CRC10	Crane Crawler-100tn	1.00	762.95	HR		65,647				65,647
8CRH20	Crane Hydro-20tn	1.00	762.95	HR		16,091		13,004		29,095
8WE400	Welder-DSL 400 amp	5.00	3,814.73	HR		52,643		19,074		71,717
NCOE31	Oper Crane >100tn, G	1.00	762.95	MH	60,775					60,775
NCOE37	Oper Crane <45tn, G	1.00	762.95	MH	56,748					56,748
NCOE38	Oper Oiler, GR 1A	1.00	762.95	MH	28,730	50,120				50,120
NCPD01	Piledriver Foreman	2.00	1,525.89	MH	37.290	123,245				123,245
NCPD02	Piledriverman	14.00	10,681.25	MH	33.900	808,108				808,108
\$1,866,099.06	0.0257 MH/LB	14,495.9900	MH	[0.997]	1,098,995	554,553	144,881	67,670		1,866,099
739.2456	Units/H	7,392.4555	Un/Shift	38.9073	Unit/M	1.95	0.98	0.26	0.12	3.31

2750010 FURNISH MISCELLANEOUS MATLS Quan: 1.00 LS Hrs/Shft: 10.00 Cal: 510 WC: 1

**Unreviewed

The weight of the gates is the total weight given less the weight of:

1. hydraulic cylinders----- 8,000
2. Hydraulic tubing----- 727
3. Open locks----- 2,558
4. Closed locks-----10,304
5. Gate seals----- 1,478
6. Shackles----- 209
7. Operator house----- 8,400
8. Lights----- 34
9. Hyd. power packs----- 2,000

2AIR VALVE4	Air Gate Valve@109.	12.00	EA	550.000	7,211		7,211
2AIR VALVE6	Air Gate Valve@109.	24.00	EA	800.000	20,976		20,976
2CATWALK	Steel Catwalk @109.2	90.00	SF	140.000	13,766		13,766

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 3020	CLIENT# = 3.2	Land Item	SCHEDULE: 1	100						
Description = FURNISH AND INSTALL GATES		Unit =	LS	Takeoff Quan:	1.000	Engr Quan:	1.000			
2FABREEKA	Fabreeka Shim@109.	4.00	EA	100.000		437				437
2GASKET30	Gasket 30"dia @109.	2.00	EA	300.000		656				656
2GATE CATWA	Gate Catwalk w@109	120.00	LF	120.000		15,732				15,732
2HARDWARE	Bolts, Nuts & @109.2	250.00	LB	3.500		956				956
2HYD CYLIN10	Hydraulic Cyli@109.	4.00	EA	30,000.000		131,100				131,100
2HYD CYLIN25	Hydraulic Cyli@109.	4.00	EA	2,340.000		10,226				10,226
2HYD PPACK	Hydraulic Powe@109	2.00	EA	10,000.000		21,850				21,850
2HYDRAULICS	Hydraulics & P@109.	1.00	LS	30,000.000		32,775				32,775
2LADDER	Steel Ladders @109.2	2.00	EA	1,000.000		2,185				2,185
2LATCHES	Gate Latch Ass@109.	4.00	EA	2,500.000		10,925				10,925
2STAVE	HDPE Bearing S@10	96.00	EA	40.000		4,195				4,195
3FREIGHT	Freight Allowance	1.00	LS	12,000.000			12,000			12,000
4HYD SUB	Hydraulic Sub Installa	1.00	LS	300,000.000					300,000	300,000
\$584,988.44				[]		272,988	12,000		300,000	584,988
					272,988.44	12,000.00			300,000.00	584,988.44
2750012	PAINT GATE AND APPURTENANCES	Quan: 4,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
4PAI00	Painting Sub	4,000.00	SF	4.000					16,000	16,000
2750015	FURNISH OPER HOUSE & MISC	Quan: 1.00	LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
2CHAIR	Chair, Oper Ho@109.	2.00	EA	300.000		656				656
2CIRCUIT BR	Circuit Breake@109.	16.00	EA	55.000		961				961
2CONT PANEL	Control Panel@109.2	1.00	EA	4,000.000		4,370				4,370
2DESK	Desk@109.25%	1.00	EA	500.000		546				546
2ELEC DIST	Electric Distr@109.2	1.00	EA	560.000		612				612
2HYD PPACK	Hydraulic Powe@109	2.00	EA	10,000.000		21,850				21,850
2MOTOR START	Motor Starter@109.2	2.00	EA	1,220.000		2,666				2,666
2OPER HOUSE	Operator House@109	1.00	LS	58,000.000		63,365				63,365
3FREIGHT	Freight Allowance	1.00	LS	3,000.000			3,000			3,000

COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs					Material	Matl/Ex	Ownershi	Operatio	Contract	
BID ITEM = 3020		CLIENT# = 3.2	Land Item	SCHEDULE: 1	100							
Description = FURNISH AND INSTALL GATES				Unit = LS	Takeoff	Quan:	1.000	Engr	Quan:	1.000		
\$98,025.65				[]			95,026	3,000				98,026
							95,025.65	3,000.00				98,025.65
2750020	UNLOAD MATERIALS			Quan:	3.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1			
												**Unreviewed
CR5M	CRANE, 5-MEN	30.00	CH	Prod: 10.0000	HU	Lab Pcs:	5.00	Eqp Pcs:	1.00			
8CRC10	Crane Crawler-100tn	1.00	30.00	HR	86.044		2,581					2,581
NCOE31	Oper Crane >100tn, G	1.00	30.00	MH	37.990	2,390						2,390
NCOE38	Oper Oiler, GR 1A	1.00	30.00	MH	28.730	1,971						1,971
NCPD01	Piledriver Foreman	1.00	30.00	MH	37.290	2,423						2,423
NCPD02	Piledriverman	2.00	60.00	MH	33.900	4,539						4,539
\$13,904.28	50.0000 MH/SH	150.0000	MH	[1946.607]		11,323	2,581					13,904
0.1000	Units/H	1.0000	Un/Shift	0.0200	Unit/M	3,774.32	860.44					4,634.76
2750030	ASSEMBLE & INSTALL GATES ON BARGE			Quan:	10.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1			
												**Unreviewed
This includes installation of hydraulic cylinders and gate latches.												
DER10M	DERRICK CREW 10MEN	100.00	CH	Prod: 10.0000	HU	Lab Pcs:	10.00	Eqp Pcs:	7.00			
3OXY00	Oxygen & Acetylene	10.00	SH	50.000			500					500
3WEL00	Welding Mat'ls	20.00	SH	100.000			2,000					2,000
8BAD01	Paula Lee Derrick - D	1.00	100.00	HR	1,063.753		21,148	85,227				106,375
8BAD14	Flat Barge - Dutra	1.00	100.00	HR	66.285		2,083	4,546				6,629
8CO250	Compressor 250 CFM	2.00	200.00	HR	20.382		2,940	1,136				4,076
8WE200	Welder-DSL 200 amp	3.00	300.00	HR	14.765		3,816	614				4,430
NCOE29	Oper Clamshell >7cy,	1.00	100.00	MH	37.990	7,966						7,966
NCOE38	Oper Oiler, GR 1A	1.00	100.00	MH	28.730	6,569						6,569
NCOE49	Oper H.D. Repairman	1.00	100.00	MH	32.280	7,200						7,200
NCPD01	Piledriver Foreman	1.00	100.00	MH	37.290	8,077						8,077
NCPD02	Piledriverman	6.00	600.00	MH	33.900	45,394						45,394
\$199,215.43	100.0000 MH/SH	1,000.0000	MH	[3848.687]		75,206	32,487	91,523				199,215

**Unreviewed

**Unreviewed

COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 3020		CLIENT# = 3.2		Land Item	SCHEDULE: 1	100								
Description = FURNISH AND INSTALL GATES					Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000					
0.1000	Units/H	1.0000	Un/Shift	0.0100	Unit/M	7,520.57	3,248.70		9,152.27					19,921.54
2750040	INSTALL OPERATOR HOUSE				Quan: 2.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1					
CR5M	CRANE, 5-MEN	20.00	CH	Prod: 10.0000	HU	Lab Pcs: 5.00	Eqp Pcs: 1.00							
8CRC10	Crane Crawler-100tn	1.00	20.00	HR	86.044			1,721						1,721
NCOE31	Oper Crane >100tn, G	1.00	20.00	MH	37.990	1,593								1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00	MH	28.730	1,314								1,314
NCPD01	Piledriver Foreman	1.00	20.00	MH	37.290	1,615								1,615
NCPD02	Piledriverman	2.00	40.00	MH	33.900	3,026								3,026
\$9,269.55	50.0000 MH/SH	100.0000	MH	[1946.6]	7,549			1,721						9,270
0.1000	Units/H	1.0000	Un/Shift	0.0200	Unit/M	3,774.34	860.44							4,634.78
2750050	TOW BARGE TO DRYDOCK & BACK				Quan: 2.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Tow barge from Rio Vista to San Francisco---56mi/7mph = 8hr														**Unreviewed
Tug light to Rio Vista, 56mi/12mph = 4.5hr														

Total: 12.5hr, Say 13hr														
8TUG15	Tugboat 1500 HP	26.00	HR	400.000				10,400						10,400
2750060	DRY DOCK BARGE				Quan: 3.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Dry dock barge to test opening and closing of gates.														**Unreviewed
2C1O	3-MAN CREW, 2-CARP,1-OP18	0.00	CH	Prod: 0.0000		Lab Pcs: 3.00	Eqp Pcs: 1.00							
3DRY DOCK	Dry Dock Cost	3.00	DAY	3,000.000				9,000						9,000
8CRH40	Crane Hydro-40tn	1.00	0.00	HR	64.541									
NCCA02	Carpenter, JRMN, SF	2.00	0.00	MH	34.750									
NCOE37	Oper Crane <45tn, G	1.00	0.00	MH	34.490									
\$9,000.00				[]				9,000						9,000
								3,000.00						3,000.00

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 3020 CLIENT# = 3.2 Land Item SCHEDULE: 1 100
Description = FURNISH AND INSTALL GATES Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

=====> **Item Totals: 3020 - FURNISH AND INSTALL GATES**

\$2,806,902.41	15,745.9900 MH/LS	15,745.99 MH	[610429.2]	1,193,073	922,567	216,070	159,192	316,000	2,806,902
2,806,902.410	1 LS			1,193,072.72	922,567.09	216,070.34	159,192.26	316,000.00	2,806,902.41

BID ITEM = 3030 CLIENT# = 3.3 Land Item SCHEDULE: 1 100
Description = BARGE DELIVERY AND MOBILIZATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

1200010 MOBILIZE BARGE W/GATE Quan: 2.00 SH Hrs/Shft: 10.00 Cal: 510 WC: 1

<u>CR5M</u>	CRANE, 5-MEN	20.00	CH	Prod: 10.0000 HU	Lab Pcs: 5.00	Eqp Pcs: 1.00	
8CRC10	Crane Crawler-100tn	1.00	20.00 HR	86.044		1,721	1,721
NCOE31	Oper Crane >100tn, G	1.00	20.00 MH	37.990	1,593		1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00 MH	28.730	1,314		1,314
NCPD01	Piledriver Foreman	1.00	20.00 MH	37.290	1,615		1,615
NCPD02	Piledriverman	2.00	40.00 MH	33.900	3,026		3,026
\$9,269.55	50.0000 MH/SH	100.0000	MH	[1946.6]	7,549	1,721	9,270
0.1000	Units/H	1.0000	Un/Shift	0.0200 Unit/M	3,774.34	860.44	4,634.78

1200020 TOW BARGE TO JOBSITE Quan: 15.00 HR Hrs/Shft: 10.00 Cal: 510 WC: 1

Tug tie up to barge-----.5hr
Tow from Rio Vista to jobsite, 38mi/5mph = 7.6hr
drop barge at jobsite-----0.5hr
Tug return light to Rio Vista, 38mi/7mph = 5.5hr

Total 14.1hr, Say 15hr

8TUG15	Tugboat 1500 HP	15.00	HR	400.000		6,000	6,000
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=====> **Item Totals: 3030 - BARGE DELIVERY AND MOBILIZATION**

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 3030	CLIENT# = 3.3	Land Item	SCHEDULE: 1	100						
Description = BARGE DELIVERY AND MOBILIZATION			Unit = LS	Takeoff Quan:	1.000	Engr Quan:			1.000	
\$15,269.55	100.0000 MH/LS	100.00 MH	[3893.2]	7,549		7,721				15,270
15,269.550	1 LS			7,548.67		7,720.88				15,269.55

BID ITEM = 4010 CLIENT# = 4.1 Land Item SCHEDULE: 1 100
Description = GENERAL MOBILIZATION & DEMOBILIZATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

10001	MOB/DEMOB AT YARD				Quan:	8.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Allow 4 shift to mob and 4 shift to demob at yard.													
<u>CRB7M</u>	DERRICK, 7MEN		80.00	CH	Prod: 10.0000 HU			Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	80.00	HR	523.000				5,840		36,000		41,840
8BAR10	Flat Barge - 1000tn	1.00	80.00	HR	85.227				6,818				6,818
8CO250	Compressor 250 CFM	1.00	80.00	HR	20.382				1,176		455		1,631
8WE400	Welder-DSL 400 amp	2.00	160.00	HR	18.800				2,208		800		3,008
NCOE31	Oper Crane >100tn, G	1.00	80.00	MH	37.990			6,373					6,373
NCOE38	Oper Oiler, GR 1A	1.00	80.00	MH	28.730			5,255					5,255
NCPD01	Piledriver Foreman	1.00	80.00	MH	37.290			6,462					6,462
NCPD02	Piledriverman	4.00	320.00	MH	33.900			24,210					24,210
\$95,596.40	70.0000 MH/SH	560.0000	MH	[2714.781]			42,300	16,042		37,255			95,596
0.1000	Units/H	1.0000	Un/Shift	0.0143	Unit/M		5,287.46	2,005.27		4,656.82			11,949.55

10003	MOB/DEMOB WATER EQUIPMENT	Quan:	4.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1	
Tow derrick #1 from Rio Vista to jobsite, 15hr one way								
Tow derrick #2 from " " 15hr one way								
One return tow for each derrick.								
8TUG15	Tugboat 1500 HP	60.00	HR	400.000		24,000		24,000

COST REPORT

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
BID ITEM = 4010		CLIENT# = 4.1	Land Item	SCHEDULE: 1	100						
Description = GENERAL MOBILIZATION & DEMOBILIZATION				Unit = LS	Takeoff Quan:		1.000	Engr Quan:		1.000	
10004	MOB/DEMOB LAND EQUIPMENT			Quan:	2.00 EA	Hrs/Shft: 10.00	Cal: 510		WC: 1		
8500	Mob/demob Equip	1.00	2.00 EA	540.000				1,080			1,080
8504	Mob/Demob Compact	1.00	2.00 EA	360.000				720			720
8508	Mob/Demob Dozer	1.00	2.00 EA	360.000				720			720
8512	Mob/Demob Grader	1.00	2.00 EA	540.000				1,080			1,080
8515	Mob/Demob Hydro C	1.00	2.00 EA	540.000				1,080			1,080
8517	Mob/Demob Loader	1.00	2.00 EA	540.000				1,080			1,080
8519	Mob/Demob Pump	1.00	2.00 EA	360.000				720			720
8520	Mob/Demob Trailer	1.00	2.00 EA	200.000				400			400
8521	Mob/Demob Vibro	1.00	2.00 EA	360.000				720			720
\$7,600.00				[]				7,600			7,600
								3,800.00			3,800.00
10008	MOB/DEMOB AT JOBSITE			Quan:	4.00 SH	Hrs/Shft: 10.00	Cal: 510		WC: 1		
CRB7M	DERRICK, 7MEN		40.00 CH	Prod: 10.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	40.00 HR	523.000				2,920		18,000	20,920
8BAR10	Flat Barge - 1000tn	1.00	40.00 HR	85.227				3,409			3,409
8CO250	Compressor 250 CFM	1.00	40.00 HR	20.382				588		227	815
8WE400	Welder-DSL 400 amp	2.00	80.00 HR	18.800				1,104		400	1,504
NCOE31	Oper Crane >100tn, G	1.00	40.00 MH	37.990		3,186					3,186
NCOE38	Oper Oiler, GR 1A	1.00	40.00 MH	28.730		2,628					2,628
NCPD01	Piledriver Foreman	1.00	40.00 MH	37.290		3,231					3,231
NCPD02	Piledriverman	4.00	160.00 MH	33.900		12,105					12,105
\$47,798.22	70.0000 MH/SH	280.0000	MH	[2714.783]		21,150		8,021		18,627	47,798
0.1000	Units/H	1.0000	Un/Shift	0.0143	Unit/M	5,287.47		2,005.27		4,656.82	11,949.56
10010	CLEAR & GRUB AT JOBSITE			Quan:	2.76 ACRE	Hrs/Shft: 10.00	Cal: 510		WC: 1		
2ea(600' X 100') = 120,000 sf. 120,000sf/43,560sf/acre = 2.76 acre.											

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/ExOwnershi	Equipme Equipme Operatio	Sub- Contract	Total
BID ITEM = 4010	CLIENT# = 4.1	Land Item	SCHEDULE: 1	100						
Description = GENERAL MOBILIZATION & DEMOBILIZATION			Unit = LS	Takeoff Quan:		1.000	Engr Quan:		1.000	
4CLE00	Sub to Clear & Grub	2.76 ACRE	5,000.000						13,800	13,800
10020	CONSTR. ACCESS RD		Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
150' x 25' x .5'/27 = 70cy. 70cy x 1.62tn/cy = 113tn										
113tn / 20tn/ld = 6lds x 3hr/ld = 18hr										
DOZ10	DOZER, 1 OPER	20.00	CH	Prod: 20.0000 HU	Lab Pcs:	1.00	Eqp Pcs:	1.00		
2BASE CLII	Aggregate Base@109.	113.00	TN	9.000	1,111					1,111
8DOZ06	Dozer-CAT D6D	1.00	20.00 HR	53.389		1,068				1,068
8TKD20	Dump Truck-Semi En		18.00 HR	95.000		1,710				1,710
NCOE13	Oper Dozer, GR 4	1.00	20.00 MH	32.380	1,424					1,424
\$5,312.79	20.0000 MH/LS	20.0000	MH	[733.73]	1,424	1,111	2,778			5,313
0.0500	Units/H	0.5000	Un/Shift	0.0500 Unit/M	1,423.94	1,111.07	2,777.78			5,312.79
=====> Item Totals: 4010 - GENERAL MOBILIZATION & DEMOBILIZATION										
\$194,107.41	860.0000 MH/LS	860.00	MH	[33311.11]	64,873	1,111	58,441	55,882	13,800	194,107
194,107.410	1 LS				64,873.48	1,111.07	58,441.02	55,881.84	13,800.00	194,107.41

BID ITEM = 4020 CLIENT# = 4.2 Land Item SCHEDULE: 1 100
Description = RIVER SHEET PILE, AZ13 Unit = LF Takeoff Quan: 232.000 Engr Quan: 232.000

715005	PURCHASE SHEET PILE		Quan: 12,657.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1	
57 ft sheets.								
2SHEETS AZ13	Sheet pile AZ1@109.	277,434.36	LB	0.900	272,787			272,787
3FREIGHT	Freight Allowance	1.00	LS	5,600.000		5,600		5,600
\$278,387.33				[]	272,787	5,600		278,387
					21.55	0.44		21.99

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4020 CLIENT# = 4.2 Land Item SCHEDULE: 1 100										
Description = RIVER SHEET PILE, AZ13				Unit = LF	Takeoff Quan:	232.000	Engr Quan:	232.000		
715010	FURNISH MISC MATERIALS	Quan:		1.00 LS	Hrs/Shft:	10.00	Cal: 510	WC: 1		
See river sheet pile takeoff.										**Unreviewed
2HARDWARE	Bolts, Nuts & @109.2	40.00	LB	3.500		153				153
2RUB FENDER	MWG 4"X6-1/2" @1	120.00	LF	20.000		2,622				2,622
2STEEL PLATE	Misc Steel Pla@109.2	4,400.00	LB	0.550		2,644				2,644
\$5,418.80				[]		5,419				5,419
						5,418.80				5,418.80
715012	COAT SHEET PILE	Quan:		6,000.00 SF	Hrs/Shft:	10.00	Cal: 510	WC: 1		
10ft X 50.5pr x 10.83 sf/pr = 5,470 sf. Say 6,000sf										**Unreviewed
3FREIGHT	Freight Allowance	1.00	LS	2,800.000		2,800				2,800
4PAI00	Painting Sub	6,000.00	SF	4.000					24,000	24,000
\$26,800.00				[]		2,800			24,000	26,800
						0.47			4.00	4.47
715015	DUNNAGE	Quan:		5.58 MBFM	Hrs/Shft:	10.00	Cal: 510	WC: 1		
Furnish 6x6 dunnage to stack sheet pile.										
93pr x 5ft x 4ea x 3bf/1f = 5,580bf										
3DUNNAGE	Dunnage	5.59	MBM	900.000		5,031				5,031
715020	UNLOAD & LOAD SHEET PILE	Quan:		138.80 TN	Hrs/Shft:	10.00	Cal: 510	WC: 1		
At contractor's yard.										
<u>CR5M</u>	CRANE, 5-MEN	6.94	CH	Prod: 20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	6.94	HR	86.044		597			597
NCOE31	Oper Crane >100tn, G	1.00	6.94	MH	37.990	553				553
NCOE38	Oper Oiler, GR 1A	1.00	6.94	MH	28.730	456				456
NCPD01	Piledriver Foreman	1.00	6.94	MH	37.290	561				561

COST REPORT

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
											Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4020 CLIENT# = 4.2 Land Item SCHEDULE: 1 100
Description = RIVER SHEET PILE, AZ13 Unit = LF Takeoff Quan: 232.000 Engr Quan: 232.000

715035		RIG UP & DOWN		Quan:	2.00	EA	Hrs/Shft: 10.00	Cal: 510	WC:1			
Rig up with different hammer.												
<u>PDDER1</u>	PD DERRICK, 7MEN - D46			8.00	CH	Prod: 4.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	8.00	HR	523.000				584		3,600	4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00	HR	85.227				682			682
8BOD02	Crewboat "Joey" - Du	1.00	8.00	HR	66.009				301		227	528
8CO250	Compressor 250 CFM	1.00	8.00	HR	20.382				118		45	163
8HAD46	Hammer Delmag D46	1.00	8.00	HR	100.135				801			801
8HAVE3	Vibratory Extractor -	1.00	8.00	HR	96.537				772			772
8WE400	Welder-DSL 400 amp	1.00	8.00	HR	18.800				110		40	150
NCOE31	Oper Crane >100tn, G	1.00	8.00	MH	37.990			637				637
NCOE38	Oper Oiler, GR 1A	1.00	8.00	MH	28.730			526				526
NCPD01	Piledriver Foreman	1.00	8.00	MH	37.290			646				646
NCPD02	Piledriverman	4.00	32.00	MH	33.900			2,421				2,421
\$11,510.68	28.0000 MH/EA	56.0000	MH	[1085.91]			4,230	3,368		3,913		11,511
0.2500	Units/H	2.5000	Un/Shift	0.0357	Unit/M		2,114.99	1,683.99		1,956.36		5,755.34

715040	FABRICATE TEMPLATE				Quan: 7,000.00	LB	Hrs/Shft: 10.00	Cal: 510	WC:1					
Fabricate sheet pile driving template at yard. Furnish temporary template material and temporary pipe pile.														
HP14X73-----2ea x 40ft x 73lb/ft = 5,840 lb say 7,000 lb														
16" x 3/4th. Temp. Pipe Pile---2ea x 60ft x 120 lb/ft = 14,400 lb														
<u>WELC2M</u>	WELDING CREW W/ CRANE, 2-ME				24.00	CH	Prod: 291.6667 UH	Lab Pcs:	3.00	Eqp Pcs:	3.00			
3OXY00	Oxygen & Acetylene				3.00	SH	50.000		150					150
3TEMP PILE	Temp. Pipe Pile				14,400.00	LB	0.550		7,920					7,920
3TEMPLATE	Driving Template, Sh				7,000.00	LB	0.550		3,850					3,850
3WEL00	Welding Mat'ls				3.00	SH	100.000		300					300
8CRH40	Crane Hydro-40tn				1.00	24.00	HR	64.541		1,549				1,549
8WE200	Welder-DSL 200 amp				2.00	48.00	HR	14.765		611		98		709
NCOE37	Oper Crane <45tn, G				1.00	24.00	MH	34.490	1,785					1,785

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4020 CLIENT# = 4.2 Land Item SCHEDULE: 1 100
Description = RIVER SHEET PILE, AZ13 Unit = LF Takeoff Quan: 232.000 Engr Quan: 232.000

NCPD02	Piledriverman	2.00	48.00 MH	33.900	3,632					3,632
\$19,894.32	0.0102 MH/LB	72.0000	MH	[0.397]	5,417	14,380		98		19,894
291.6667	Units/H*	2,916.6667	Un/Shift	97.2223 Unit/M	0.77	2.05		0.01		2.84

715045 DRIVE TEMPORARY PILE Quan: 11.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

PDDER1	PD DERRICK, 7MEN - D46	11.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	11.00 HR	523.000		803		4,950	5,753
8BAR10	Flat Barge - 1000tn	1.00	11.00 HR	85.227		937			937
8BOD02	Crewboat "Joey" - Du	1.00	11.00 HR	66.009		414		312	726
8CO250	Compressor 250 CFM	1.00	11.00 HR	20.382		162		63	224
8HAD46	Hammer Delmag D46	1.00	11.00 HR	100.135		1,101			1,101
8HAVE3	Vibratory Extractor -	1.00	11.00 HR	96.537		1,062			1,062
8WE400	Welder-DSL 400 amp	1.00	11.00 HR	18.800		152		55	207
NCOE31	Oper Crane >100tn, G	1.00	11.00 MH	37.990	876				876
NCOE38	Oper Oiler, GR 1A	1.00	11.00 MH	28.730	723				723
NCPD01	Piledriver Foreman	1.00	11.00 MH	37.290	888				888
NCPD02	Piledriverman	4.00	44.00 MH	33.900	3,329				3,329
\$15,827.19	7.0000 MH/EA	77.0000	MH	[271.478]	5,816	4,631		5,380	15,827
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09	1,438.84

715050 HANDLE/PLACE TEMPLATE Quan: 10.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1

PDDER1	PD DERRICK, 7MEN - D46	10.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	10.00 HR	523.000		730		4,500	5,230
8BAR10	Flat Barge - 1000tn	1.00	10.00 HR	85.227		852			852
8BOD02	Crewboat "Joey" - Du	1.00	10.00 HR	66.009		376		284	660
8CO250	Compressor 250 CFM	1.00	10.00 HR	20.382		147		57	204
8HAD46	Hammer Delmag D46	1.00	10.00 HR	100.135		1,001			1,001
8HAVE3	Vibratory Extractor -	1.00	10.00 HR	96.537		965			965
8WE400	Welder-DSL 400 amp	1.00	10.00 HR	18.800		138		50	188

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4020	CLIENT# = 4.2	Land Item	SCHEDULE: 1	100						
Description = RIVER SHEET PILE, AZ13	Unit = LF	Takeoff Quan:	232.000	Engr Quan:	232.000					
NCOE31	Oper Crane >100tn, G	1.00	10.00 MH	37.990	797					797
NCOE38	Oper Oiler, GR 1A	1.00	10.00 MH	28.730	657					657
NCPD01	Piledriver Foreman	1.00	10.00 MH	37.290	808					808
NCPD02	Piledriverman	4.00	40.00 MH	33.900	3,026					3,026
\$14,388.34	7.0000 MH/EA	70.0000	MH	[271.477]	5,287	4,210		4,891		14,388
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.74	421.00		489.09		1,438.83
715053	WELD END PLATES TO SHEETS	Quan: 127.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
See Sheet C64/3. Weld end plates to sheet pile with 1/4" fillet.										**Unreviewed
<u>WELC4M</u>	WELDING CREW W/ CRANE, 4-ME	15.87	CH	Prod: 8.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 5.00			
3WEL00	Welding Mat'ls	8.00	SH	100.000		800				800
8CRH40	Crane Hydro-40tn	1.00	15.88 HR	64.541		1,025				1,025
8WE200	Welder-DSL 200 amp	4.00	63.50 HR	14.765		808		130		938
NCOE37	Oper Crane <45tn, G	1.00	15.88 MH	34.490	1,181					1,181
NCPD02	Piledriverman	4.00	63.50 MH	33.900	4,804					4,804
\$8,747.81	0.6250 MH/LF	79.3800	MH	[24.091]	5,985	2,633		130		8,748
8.0025	Units/H*	80.0252	Un/Shift	1.5999 Unit/M	47.13	20.73		1.02		68.88
715055	DRIVE WATER SHEETPILE	Quan: 53.00	PR	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	26.50	CH	Prod: 2.0000	UH	Lab Pcs: 7.00	Eqp Pcs: 7.00			
8BAD04	Crane Barge w/200tn	1.00	26.50 HR	523.000		1,935		11,925		13,860
8BAR10	Flat Barge - 1000tn	1.00	26.50 HR	85.227		2,259				2,259
8BOD02	Crewboat "Joey" - Du	1.00	26.50 HR	66.009		996		753		1,749
8CO250	Compressor 250 CFM	1.00	26.50 HR	20.382		390		151		540
8HAD46	Hammer Delmag D46	1.00	26.50 HR	100.135		2,654				2,654
8HAVE3	Vibratory Extractor -	1.00	26.50 HR	96.537		2,558				2,558
8WE400	Welder-DSL 400 amp	1.00	26.50 HR	18.800		366		133		498
NCOE31	Oper Crane >100tn, G	1.00	26.50 MH	37.990	2,111					2,111
NCOE38	Oper Oiler, GR 1A	1.00	26.50 MH	28.730	1,741					1,741

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4020	CLIENT# = 4.2	Land Item	SCHEDULE: 1	100						
Description = RIVER SHEET PILE, AZ13			Unit = LF	Takeoff Quan:	232.000	Engr Quan:	232.000			
NCPD01	Piledriver Foreman	1.00	26.50 MH	37.290	2,140					2,140
NCPD02	Piledriverman	4.00	106.00 MH	33.900	8,020					8,020
\$38,129.12	3.5000 MH/PR	185.5000	MH	[135.739]	14,012	11,156		12,961		38,129
2.0000	Units/H*	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50		244.55		719.42

715060	REMOVE TEMPORARY PIPE PILE	Quan: 11.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	11.00	CH	Prod: 1.0000	UH	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	11.00 HR	523.000			803		4,950	5,753
8BAR10	Flat Barge - 1000tn	1.00	11.00 HR	85.227			937			937
8BOD02	Crewboat "Joey" - Du	1.00	11.00 HR	66.009			414		312	726
8CO250	Compressor 250 CFM	1.00	11.00 HR	20.382			162		63	224
8HAD46	Hammer Delmag D46	1.00	11.00 HR	100.135			1,101			1,101
8HAVE3	Vibratory Extractor -	1.00	11.00 HR	96.537			1,062			1,062
8WE400	Welder-DSL 400 amp	1.00	11.00 HR	18.800			152		55	207
NCOE31	Oper Crane >100tn, G	1.00	11.00 MH	37.990	876					876
NCOE38	Oper Oiler, GR 1A	1.00	11.00 MH	28.730	723					723
NCPD01	Piledriver Foreman	1.00	11.00 MH	37.290	888					888
NCPD02	Piledriverman	4.00	44.00 MH	33.900	3,329					3,329
\$15,827.19	7.0000 MH/EA	77.0000	MH	[271.478]	5,816	4,631		5,380		15,827
1.0000	Units/H*	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84

720005	FURN PIPE PILE A252,GR2 36"X.750			Quan: 960.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1	
See sheet C36. Furnish pipe pile, FOB PLANT.									
2PIPE PILE36	Pipe Pile - 36@109.2	274,592.16	LB	0.710		212,994			212,994
3FREIGHT	Freight Allowance	1.00	LS	26,000.000			26,000		26,000
\$238,994.27				[]		212,994	26,000		238,994
						221.87	27.08		248.95

Activity	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub- Contract	Total
Resource						Material	Matl/Ex	Ownershi	Operatio		
BID ITEM = 4020	CLIENT# = 4.2		Land Item	SCHEDULE: 1	100						
Description = RIVER SHEET PILE, AZ13				Unit = LF	Takeoff Quan:	232.000	Engr Quan:		232.000		
720010	BACKUP RINGS			Quan: 12.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Say .375in th. 3'x3.1415 = 9.42ft x .12ft = 1.13sf/ea											
15.3lb/sf x 1.13sf/ea = 17.3lb/ea											
17.3lb/ea x 30ea = 519 lb											
2BACKUP RING Backup Ring - @109.			12.00 EA	35.000		459					459
720015	COAT KING PILE			Quan: 1,600.00 SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
13ft x 9.42sf/lf x 12ea = 1,470sf. Say 1,600sf											
4PAI00	Painting Sub		1,600.00 SF	4.000						6,400	6,400
720020	UNLOAD PIPE PILE AT YARD			Quan: 135.00 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
CR5M	CRANE, 5-MEN		6.75 CH	Prod: 20.0000 UH		Lab Pcs: 5.00	Eqp Pcs: 1.00				
8CRC10	Crane Crawler-100tn	1.00	6.75 HR	86.044			581				581
NCOE31	Oper Crane >100tn, G	1.00	6.75 MH	37.990		538					538
NCOE38	Oper Oiler, GR 1A	1.00	6.75 MH	28.730		443					443
NCPD01	Piledriver Foreman	1.00	6.75 MH	37.290		545					545
NCPD02	Piledriverman	2.00	13.50 MH	33.900		1,021					1,021
\$3,128.45	0.2500 MH/TN		33.7500 MH	[9.733]		2,548	581				3,128
20.0000	Units/H*	200.0000 Un/Shift	4.0000 Unit/M			18.87	4.30				23.17
720025	SPLICE PIPE PILE ON GROUND			Quan: 113.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Splice 40ft pipe into 74ft piles. One weld per pile.											
9.42 lf/ea x 12ea = 113 lf of welding.											
WELC4M	WELDING CREW W/ CRANE, 4-ME		28.25 CH	Prod: 4.0000 UH		Lab Pcs: 5.00	Eqp Pcs: 5.00				
3OXY00	Oxygen & Acetylene		3.60 SH	50.000			180				180
3WEL00	Welding Mat'ls		14.39 SH	100.000			1,439				1,439
8CRH40	Crane Hydro-40tn	1.00	28.25 HR	64.541			1,823				1,823
8WE200	Welder-DSL 200 amp	4.00	113.00 HR	14.765			1,437		231		1,668

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total
BID ITEM = 4020										
CLIENT# = 4.2										
Land Item										
SCHEDULE: 1										
Description = RIVER SHEET PILE, AZ13										
Unit = LF										
Takeoff Quan: 100										
232.000										
Engr Quan: 232.000										
8CO250	Compressor 250 CFM	1.00	0.67 HR	20.382			10		4	14
8HAD46	Hammer Delmag D46	1.00	0.67 HR	100.135			67			67
8HAVE3	Vibratory Extractor -	1.00	0.67 HR	96.537			65			65
8WE400	Welder-DSL 400 amp	1.00	0.67 HR	18.800			9		3	13
NCOE31	Oper Crane >100tn, G	1.00	0.67 MH	37.990	53					53
NCOE38	Oper Oiler, GR 1A	1.00	0.67 MH	28.730	44					44
NCPD01	Piledriver Foreman	1.00	0.67 MH	37.290	54					54
NCPD02	Piledriverman	4.00	2.67 MH	33.900	202					202
\$963.19	2.3400 MH/EA		4.6800 MH	[90.745]	354		282		328	963
3.0303	Units/H*	30.3030	Un/Shift	0.4274 Unit/M	176.75		141.01		163.84	481.60

720050	DRIVE WATER PIPE PILE				Quan:	12.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1	
<u>PDDER1</u>	PD DERRICK, 7MEN - D46		12.00	CH	Prod:	1.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	7.00
8BAD04	Crane Barge w/200tn	1.00	12.00	HR	523.000				876		5,400
8BAR10	Flat Barge - 1000tn	1.00	12.00	HR	85.227				1,023		1,023
8BOD02	Crewboat "Joey" - Du	1.00	12.00	HR	66.009				451		341
8CO250	Compressor 250 CFM	1.00	12.00	HR	20.382				176		68
8HAD46	Hammer Delmag D46	1.00	12.00	HR	100.135				1,202		1,202
8HAVE3	Vibratory Extractor -	1.00	12.00	HR	96.537				1,158		1,158
8WE400	Welder-DSL 400 amp	1.00	12.00	HR	18.800				166		60
NCOE31	Oper Crane >100tn, G	1.00	12.00	MH	37.990			956			956
NCOE38	Oper Oiler, GR 1A	1.00	12.00	MH	28.730			788			788
NCPD01	Piledriver Foreman	1.00	12.00	MH	37.290			969			969
NCPD02	Piledriverman	4.00	48.00	MH	33.900			3,632			3,632
\$17,266.00	7.0000 MH/EA	84.0000	MH	[271.479]				6,345	5,052	5,869	17,266
1.0000	Units/H	10.0000	Un/Shift	0.1429	Unit/M			528.75	421.00	489.09	1,438.83

720055	CUTOFF PIPE PILE - WATER	Quan:	3.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	1
Allowance for cutting off 25% of the pile.										

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 4020 CLIENT# = 4.2 Land Item SCHEDULE: 1 100
Description = RIVER SHEET PILE, AZ13 Unit = LF Takeoff Quan: 232.000 Engr Quan: 232.000

725030	UNLOAD/LOAD WALER MATERIAL				Quan:	26.20 TN	Hrs/Shft: 10.00	Cal: 510	WC:1	
Unload materials from trucks and load on barge.										
CR5M	CRANE, 5-MEN		1.31	CH	Prod: 20.0000 UH		Lab Pcs:	5.00	Eqp Pcs:	1.00
8CRC10	Crane Crawler-100tn	1.00	1.31	HR	86.044			113		113
NCOE31	Oper Crane >100tn, G	1.00	1.31	MH	37.990		104			104
NCOE38	Oper Oiler, GR 1A	1.00	1.31	MH	28.730		86			86
NCPD01	Piledriver Foreman	1.00	1.31	MH	37.290		106			106
NCPD02	Piledriverman	2.00	2.62	MH	33.900		198			198
\$607.13	0.2500 MH/TN	6.5500	MH	[9.733]		494		113		607
20.0000	Units/H*	200.0000	Un/Shift	4.0000 Unit/M		18.87		4.30		23.17

725040	FABRICATE WALER MATERIAL				Quan: 800.00 LF	Hrs/Shft: 10.00	Cal: 510 WC:1			
Allow 20hrs to sort and cut waler to length and weld stiffeners.										
<u>WELC4M</u>	WELDING CREW W/ CRANE, 4-ME			26.66 CH	Prod: 30.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	5.00	
8CRH40	Crane Hydro-40tn	1.00	26.67 HR		64.541		1,721			1,721
8WE200	Welder-DSL 200 amp	4.00	106.67 HR		14.765		1,357		218	1,575
NCOE37	Oper Crane <45tn, G	1.00	26.67 MH		34.490	1,984				1,984
NCPD02	Piledriverman	4.00	106.67 MH		33.900	8,070				8,070
\$13,350.24	0.1666 MH/LF	133.3400	MH	[6.424]		10,054	3,078		218	13,350
30.0075	Units/H*	300.0750	Un/Shift	5.9997 Unit/M		12.57	3.85		0.27	16.69

725050	RIG MOVES			Quan:	1.00	EA	Hrs/Shft: 10.00	Cal: 510	WC:1			
Move from long wall to end wall at both sides of channel.												
<u>CRB7M</u>	DERRICK, 7MEN			1.00	CH	Prod: 1.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	5.00	
8BAD04	Crane Barge w/200tn	1.00	1.00	HR	523.000				73		450	
8BAR10	Flat Barge - 1000tn	1.00	1.00	HR	85.227				85			
8CO250	Compressor 250 CFM	1.00	1.00	HR	20.382				15		6	
8WE400	Welder-DSL 400 amp	2.00	2.00	HR	18.800				28		10	

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Total
BID ITEM = 4020	CLIENT# = 4.2		Land Item	SCHEDULE: 1	100					
Description = RIVER SHEET PILE, AZ13			Unit = LF	Takeoff Quan:	232.000	Engr Quan:	232.000			
NCOE31	Oper Crane >100tn, G	1.00	1.00 MH	37.990	80					80
NCOE38	Oper Oiler, GR 1A	1.00	1.00 MH	28.730	66					66
NCPD01	Piledriver Foreman	1.00	1.00 MH	37.290	81					81
NCPD02	Piledriverman	4.00	4.00 MH	33.900	303					303
\$1,194.94	7.0000 MH/EA	7.0000	MH	[271.46]	529	201		466		1,195
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.74	200.52		465.68		1,194.94
725060	INSTALL PILE COLLARS & TIE-RODS		Quan: 12.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CRB7M</u>	DERRICK, 7MEN		24.00 CH	Prod: 2.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	24.00 HR	523.000		1,752		10,800		12,552
8BAR10	Flat Barge - 1000tn	1.00	24.00 HR	85.227		2,045				2,045
8CO250	Compressor 250 CFM	1.00	24.00 HR	20.382		353		136		489
8WE400	Welder-DSL 400 amp	2.00	48.00 HR	18.800		662		240		902
NCOE31	Oper Crane >100tn, G	1.00	24.00 MH	37.990	1,912					1,912
NCOE38	Oper Oiler, GR 1A	1.00	24.00 MH	28.730	1,577					1,577
NCPD01	Piledriver Foreman	1.00	24.00 MH	37.290	1,938					1,938
NCPD02	Piledriverman	4.00	96.00 MH	33.900	7,263					7,263
\$28,678.93	14.0000 MH/EA	168.0000	MH	[542.956]	12,690	4,813		11,176		28,679
0.5000	Units/H	5.0000	Un/Shift	0.0714 Unit/M	1,057.49	401.05		931.36		2,389.91
725070	INSTALL WALER		Quan: 788.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CRB7M</u>	DERRICK, 7MEN		52.53 CH	Prod: 15.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	52.53 HR	523.000		3,835		23,639		27,473
8BAR10	Flat Barge - 1000tn	1.00	52.53 HR	85.227		4,477				4,477
8CO250	Compressor 250 CFM	1.00	52.53 HR	20.382		772		298		1,071
8WE400	Welder-DSL 400 amp	2.00	105.07 HR	18.800		1,450		525		1,975
NCOE31	Oper Crane >100tn, G	1.00	52.53 MH	37.990	4,184					4,184
NCOE38	Oper Oiler, GR 1A	1.00	52.53 MH	28.730	3,451					3,451
NCPD01	Piledriver Foreman	1.00	52.53 MH	37.290	4,243					4,243

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
BID ITEM = 4020 CLIENT# = 4.2 Land Item SCHEDULE: 1 100											
Description = RIVER SHEET PILE, AZ13				Unit = LF	Takeoff	Quan:	232.000	Engr	Quan:	232.000	
NCPD02	Piledriverman	4.00	210.13 MH	33.900		15,898					15,898
\$62,771.92	0.4666 MH/LF	367.7200	MH	[18.098]		27,776	10,534		24,462		62,772
15.0010	Units/H*	150.0095	Un/Shift	2.1429 Unit/M		35.25	13.37		31.04		79.66
742015	COAT RAMP FRAME			Quan: 6,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
4PAI00	Painting Sub		6,000.00 SF	4.000						24,000	24,000
*****> Item Totals: 4020 - RIVER SHEET PILE, AZ13											
\$1,016,389.71	7.2192 MH/LF	1,674.87	MH	[279.617]		126,439	625,559	122,576	79,416	62,400	1,016,390
4,380.990	232 LF					544.99	2,696.38	528.35	342.31	268.97	4,380.99
BID ITEM = 4030 CLIENT# = 4.3 Land Item SCHEDULE: 1 100											
Description = LEVEE SHEET PILE WALLS, AZ 13				Unit = LF	Takeoff	Quan:	196.000	Engr	Quan:	196.000	
71500	PURCHASE SHEET PILE			Quan: 10,777.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Assume 52 & 55 ft sheets.											
2SHEETS AZ13	Sheet pile AZ1@109.	236,225.00	LB	0.900		232,268					232,268
3FREIGHT	Freight Allowance	1.00	LS	4,800.000			4,800				4,800
\$237,068.23				[]		232,268	4,800				237,068
						21.55	0.45				22.00
71533	DUNNAGE			Quan: 3.00	MBFM	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Furnish 6x6 dunnage to stack sheet pile.											
49pr x 5ft x 4ea x 3bf/1f = 2,940bf											
3DUNNAGE	Dunnage	3.01	MBM	900.000			2,709				2,709

**Unreviewed

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
BID ITEM = 4030 CLIENT# = 4.3 Land Item SCHEDULE: 1 100											
Description = LEVEE SHEET PILE WALLS, AZ 13				Unit = LF	Takeoff Quan:	196.000	Engr Quan:	196.000			
71534	UNLOAD & LOAD SHEET PILE			Quan:	118.00 TN	Hrs/Shft:	10.00	Cal:	510	WC:	1
At contractor's yard.											
CR5M	CRANE, 5-MEN	5.90	CH	Prod:	20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	5.90 HR	86.044			508				508
NCOE31	Oper Crane >100tn, G	1.00	5.90 MH	37.990		470					470
NCOE38	Oper Oiler, GR 1A	1.00	5.90 MH	28.730		388					388
NCPD01	Piledriver Foreman	1.00	5.90 MH	37.290		477					477
NCPD02	Piledriverman	2.00	11.80 MH	33.900		893					893
\$2,734.49	0.2500 MH/TN	29.5000	MH	[9.733]	2,227		508				2,734
20.0000	Units/H*	200.0000	Un/Shift	4.0000 Unit/M	18.87		4.30				23.17
71536	TRANSPORT SHEETPILE - BARGE			Quan:	0.01 HR	Hrs/Shft:	10.00	Cal:	510	WC:	1
Tug tie up to barge-----.5hr											
tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr											
Tug drop barge at jobsite-----0.5hr											
Tug return light to port-----7.0hr											

Total 15.6hr, Say 16hr Assume these sheets are transported with the waterside sheets.											
8TUG15	Tugboat 1500 HP	0.01	HR	400.000			4				4
71552	RIG MOVES			Quan:	2.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1
Move rig from one side of river to other.											
PDDER1	PD DERRICK, 7MEN - D46	8.00	CH	Prod:	4.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	8.00 HR	523.000			584		3,600		4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00 HR	85.227			682				682
8BOD02	Crewboat "Joey" - Du	1.00	8.00 HR	66.009			301		227		528
8CO250	Compressor 250 CFM	1.00	8.00 HR	20.382			118		45		163
8HAD46	Hammer Delmag D46	1.00	8.00 HR	100.135			801				801
8HAVE3	Vibratory Extractor -	1.00	8.00 HR	96.537			772				772

Activity	Description	Quantity	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
				Cost					Total

71553	RIG UP & DOWN	Quan:	2.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	1
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71554	FABRICATE TEMPLATE	Quan:	0.01 LB	Hrs/Shft:	10.00	Cal:	510	WC:	1
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Use the same template fabricated for waterside sheet pile.
Fabricate sheet pile driving template at yard. Furnish temporary template material and temporary pipe pile.
HP14X73-----2ea x 40ft x 73lb/ft = 5,840 lb say 7,000 lb

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-			
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total	
BID ITEM = 4030												
CLIENT# = 4.3		Land Item	SCHEDULE: 1	100								
Description = LEVEE SHEET PILE WALLS, AZ 13				Unit = LF	Takeoff Quan:	196.000	Engr Quan:	196.000				
16" x 3.4th. Temp. Pipe Pile---2ea x 60ft x 120 lb/ft = 14,400 lb												
<u>WELC2M</u>	WELDING CREW W/ CRANE, 2-ME	0.00	CH	Prod: 0.0000	UH	Lab Pcs:	3.00	Eqp Pcs:	3.00			
3OXY00	Oxygen & Acetylene	0.00	SH	50.000								
3TEMP PILE	Temp. Pipe Pile	0.02	LB	0.550								
3TEMPLATE	Driving Template, Sh	0.01	LB	0.550								
3WEL00	Welding Mat'ls	0.00	SH	100.000								
8CRH40	Crane Hydro-40tn	1.00	0.00	HR	64.541							
8WE200	Welder-DSL 200 amp	2.00	0.00	HR	14.765							
NCOE37	Oper Crane <45tn, G	1.00	0.00	MH	34.490							
NCPD02	Piledriverman	2.00	0.00	MH	33.900							
\$0.02				[]								
							2.00	2.00				
71556	DRIVE TEMPORARY PILE	Quan: 7.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	7.00	CH	Prod: 1.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	7.00			
8BAD04	Crane Barge w/200tn	1.00	7.00	HR	523.000		511		3,150	3,661		
8BAR10	Flat Barge - 1000tn	1.00	7.00	HR	85.227		597			597		
8BOD02	Crewboat "Joey" - Du	1.00	7.00	HR	66.009		263		199	462		
8CO250	Compressor 250 CFM	1.00	7.00	HR	20.382		103		40	143		
8HAD46	Hammer Delmag D46	1.00	7.00	HR	100.135		701			701		
8HAVE3	Vibratory Extractor -	1.00	7.00	HR	96.537		676			676		
8WE400	Welder-DSL 400 amp	1.00	7.00	HR	18.800		97		35	132		
NCOE31	Oper Crane >100tn, G	1.00	7.00	MH	37.990	558				558		
NCOE38	Oper Oiler, GR 1A	1.00	7.00	MH	28.730	460				460		
NCPD01	Piledriver Foreman	1.00	7.00	MH	37.290	565				565		
NCPD02	Piledriverman	4.00	28.00	MH	33.900	2,118				2,118		
\$10,071.82	7.0000 MH/EA	49.0000	MH	[271.477]	3,701	2,947			3,424	10,072		
1.0000	Units/H	10.0000	Un/Shift	0.1429	Unit/M	528.75	421.00		489.09	1,438.83		

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4030 CLIENT# = 4.3 Land Item SCHEDULE: 1 100
Description = LEVEE SHEET PILE WALLS, AZ 13 Unit = LF Takeoff Quan: 196.000 Engr Quan: 196.000

71557	HANDLE/PLACE TEMPLATE	Quan: 6.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	6.00 CH	Prod: 1.0000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00					
8BAD04	Crane Barge w/200tn	1.00 6.00 HR	523.000		438		2,700			3,138
8BAR10	Flat Barge - 1000tn	1.00 6.00 HR	85.227		511					511
8BOD02	Crewboat "Joey" - Du	1.00 6.00 HR	66.009		226		170			396
8CO250	Compressor 250 CFM	1.00 6.00 HR	20.382		88		34			122
8HAD46	Hammer Delmag D46	1.00 6.00 HR	100.135		601					601
8HAVE3	Vibratory Extractor -	1.00 6.00 HR	96.537		579					579
8WE400	Welder-DSL 400 amp	1.00 6.00 HR	18.800		83		30			113
NCOE31	Oper Crane >100tn, G	1.00 6.00 MH	37.990	478						478
NCOE38	Oper Oiler, GR 1A	1.00 6.00 MH	28.730	394						394
NCPD01	Piledriver Foreman	1.00 6.00 MH	37.290	485						485
NCPD02	Piledriverman	4.00 24.00 MH	33.900	1,816						1,816
\$8,633.02	7.0000 MH/EA	42.0000 MH	[271.478]	3,172		2,526		2,935		8,633
1.0000	Units/H	10.0000 Un/Shift	0.1429 Unit/M	528.75		421.00		489.09		1,438.84

71571	DRIVE WATER SHEETPILE	Quan: 45.00 PR	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	22.50 CH	Prod: 2.0000 UH	Lab Pcs: 7.00	Eqp Pcs: 7.00					
8BAD04	Crane Barge w/200tn	1.00 22.50 HR	523.000		1,643		10,125			11,768
8BAR10	Flat Barge - 1000tn	1.00 22.50 HR	85.227		1,918					1,918
8BOD02	Crewboat "Joey" - Du	1.00 22.50 HR	66.009		846		639			1,485
8CO250	Compressor 250 CFM	1.00 22.50 HR	20.382		331		128			459
8HAD46	Hammer Delmag D46	1.00 22.50 HR	100.135		2,253					2,253
8HAVE3	Vibratory Extractor -	1.00 22.50 HR	96.537		2,172					2,172
8WE400	Welder-DSL 400 amp	1.00 22.50 HR	18.800		311		113			423
NCOE31	Oper Crane >100tn, G	1.00 22.50 MH	37.990	1,792						1,792
NCOE38	Oper Oiler, GR 1A	1.00 22.50 MH	28.730	1,478						1,478
NCPD01	Piledriver Foreman	1.00 22.50 MH	37.290	1,817						1,817

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4030	CLIENT# = 4.3	Land Item	SCHEDULE: 1	100						
Description =	LEVEE SHEET PILE WALLS, AZ 13	Unit =	LF	Takeoff Quan:	196.000	Engr Quan:	196.000			
NCPD02	Piledriverman	4.00	90.00 MH	33.900	6,809					6,809
\$32,373.77	3.5000 MH/PR	157.5000	MH	[135.739]	11,897	9,472		11,005		32,374
2.0000	Units/H*	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50		244.55		719.42
71587	REMOVE TEMPORARY PIPE PILE	Quan: 7.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	7.00	CH	Prod: 1.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	7.00 HR	523.000		511		3,150		3,661
8BAR10	Flat Barge - 1000tn	1.00	7.00 HR	85.227		597				597
8BOD02	Crewboat "Joey" - Du	1.00	7.00 HR	66.009		263		199		462
8CO250	Compressor 250 CFM	1.00	7.00 HR	20.382		103		40		143
8HAD46	Hammer Delmag D46	1.00	7.00 HR	100.135		701				701
8HAVE3	Vibratory Extractor -	1.00	7.00 HR	96.537		676				676
8WE400	Welder-DSL 400 amp	1.00	7.00 HR	18.800		97		35		132
NCOE31	Oper Crane >100tn, G	1.00	7.00 MH	37.990	558					558
NCOE38	Oper Oiler, GR 1A	1.00	7.00 MH	28.730	460					460
NCPD01	Piledriver Foreman	1.00	7.00 MH	37.290	565					565
NCPD02	Piledriverman	4.00	28.00 MH	33.900	2,118					2,118
\$10,071.82	7.0000 MH/EA	49.0000	MH	[271.477]	3,701	2,947		3,424		10,072
1.0000	Units/H*	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.83
=====> Item Totals:	4030 - LEVEE SHEET PILE WALLS, AZ 13									
\$326,687.53	2.2397 MH/LF	439.00	MH	[86.888]	33,159	232,268	32,649	28,612		326,688
1,666.773	196 LF									
					169.18	1,185.04	166.58	145.98		1,666.77
BID ITEM = 4040	CLIENT# = 4.4	Land Item	SCHEDULE: 1	100						
Description =	SUBMERGED SHEET PILE ENCLOSURE	Unit =	LF	Takeoff Quan:	586.000	Engr Quan:	586.000			

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4040 CLIENT# = 4.4 Land Item SCHEDULE: 1 100										
Description = SUBMERGED SHEET PILE ENCLOSURE				Unit = LF	Takeoff Quan:	586.000	Engr Quan:	586.000		
71500	PURCHASE SHEET PILE			Quan: 29,276.00 SF	Hrs/Shft: 10.00	Cal: 510	WC: 1			
50 ft sheets.										**Unreviewed
2SHEET PZC26	Sheet Pile PZC@109.	930,980.00	LB	0.900		915,386				915,386
2SHT CORNER	Sheetpile Corn@109.	200.00	LF	40.000		8,740				8,740
3FREIGHT	Freight Allowance	1.00	LS	16,800.000			16,800			16,800
\$940,926.09				[]		924,126	16,800			940,926
						31.57	0.57			32.14
71533	DUNNAGE			Quan: 3.00 MBFM	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Furnish 6x6 dunnage to stack sheet pile.										**Unreviewed
49pr x 5ft x 4ea x 3bf/1f = 2,940bf										
3DUNNAGE	Dunnage	3.01	MBM	900.000			2,709			2,709
71534	UNLOAD & LOAD SHEET PILE			Quan: 465.50 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1			
At contractor's yard.										**Unreviewed
CR5M	CRANE, 5-MEN	23.27	CH	Prod: 20.0000 UH		Lab Pcs: 5.00	Eqp Pcs: 1.00			
8CRC10	Crane Crawler-100tn	1.00	23.28	HR	86.044		2,003			2,003
NCOE31	Oper Crane >100tn, G	1.00	23.28	MH	37.990	1,854				1,854
NCOE38	Oper Oiler, GR 1A	1.00	23.28	MH	28.730	1,529				1,529
NCPD01	Piledriver Foreman	1.00	23.28	MH	37.290	1,880				1,880
NCPD02	Piledriverman	2.00	46.55	MH	33.900	3,522				3,522
\$10,788.99	0.2500 MH/TN	116.3900	MH	[9.734]	8,786	2,003				10,789
20.0043	Units/H*	200.0430	Un/Shift	3.9995 Unit/M	18.87	4.30				23.18
71536	TRANSPORT SHEETPILE - BARGE			Quan: 16.00 HR	Hrs/Shft: 10.00	Cal: 510	WC: 1			
										**Unreviewed

**Unreviewed

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 4040 CLIENT# = 4.4 Land Item SCHEDULE: 1 100
Description = SUBMERGED SHEET PILE ENCLOSURE Unit = LF Takeoff Quan: 586.000 Engr Quan: 586.000

Tug tie up to barge-----.5hr
tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr
Tug drop barge at jobsite-----0.5hr
Tug return light to port-----7.0hr

Total 15.6hr, Say 16hr

8TUG15	Tugboat 1500 HP	16.00	HR	400.000		6,400			6,400
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71552 RIG MOVES Quan: 4.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

**Unreviewed

Move rig from side to side.

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	16.00	CH	Prod: 4.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	16.00 HR	523.000		1,168		7,200	8,368
8BAR10	Flat Barge - 1000tn	1.00	16.00 HR	85.227		1,364			1,364
8BOD02	Crewboat "Joey" - Du	1.00	16.00 HR	66.009		602		455	1,056
8CO250	Compressor 250 CFM	1.00	16.00 HR	20.382		235		91	326
8HAD46	Hammer Delmag D46	1.00	16.00 HR	100.135		1,602			1,602
8HAVE3	Vibratory Extractor -	1.00	16.00 HR	96.537		1,545			1,545
8WE400	Welder-DSL 400 amp	1.00	16.00 HR	18.800		221		80	301
NCOE31	Oper Crane >100tn, G	1.00	16.00 MH	37.990	1,275				1,275
NCOE38	Oper Oiler, GR 1A	1.00	16.00 MH	28.730	1,051				1,051
NCPD01	Piledriver Foreman	1.00	16.00 MH	37.290	1,292				1,292
NCPD02	Piledriverman	4.00	64.00 MH	33.900	4,842				4,842
\$23,021.35	28.0000 MH/EA	112.0000	MH	[1085.913]	8,460	6,736		7,825	23,021
0.2500	Units/H	2.5000	Un/Shift	0.0357 Unit/M	2,114.98	1,684.00		1,956.36	5,755.34

71553 RIG UP & DOWN Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

**Unreviewed

Rig up with different hammer.

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	4.00	CH	Prod: 4.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00	
8BAD04	Crane Barge w/200tn	1.00	4.00 HR	523.000		292		1,800	2,092

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4040	CLIENT# = 4.4	Land Item	SCHEDULE: 1	100						
Description = SUBMERGED SHEET PILE ENCLOSURE	Unit = LF	Takeoff Quan:	586.000	Engr Quan:	586.000					
8BAR10	Flat Barge - 1000tn	1.00	4.00 HR	85.227			341			341
8BOD02	Crewboat "Joey" - Du	1.00	4.00 HR	66.009			150	114		264
8CO250	Compressor 250 CFM	1.00	4.00 HR	20.382			59	23		82
8HAD46	Hammer Delmag D46	1.00	4.00 HR	100.135			401			401
8HAVE3	Vibratory Extractor -	1.00	4.00 HR	96.537			386			386
8WE400	Welder-DSL 400 amp	1.00	4.00 HR	18.800			55	20		75
NCOE31	Oper Crane >100tn, G	1.00	4.00 MH	37.990	319					319
NCOE38	Oper Oiler, GR 1A	1.00	4.00 MH	28.730	263					263
NCPD01	Piledriver Foreman	1.00	4.00 MH	37.290	323					323
NCPD02	Piledriverman	4.00	16.00 MH	33.900	1,211					1,211
\$5,755.31	28.0000 MH/EA	28.0000	MH	[1085.91]	2,115	1,684		1,956		5,755
0.2500	Units/H	2.5000	Un/Shift	0.0357 Unit/M	2,114.98	1,683.98		1,956.35		5,755.31

71554 FABRICATE TEMPLATE Quan: 0.01 LB Hrs/Shft: 10.00 Cal: 510 WC: 1

**Unreviewed

Use the same template fabricated for waterside sheet pile.
Fabricate sheet pile driving template at yard. Furnish temporary template material and temporary pipe pile.
HP14X73-----2ea x 40ft x 73lb/ft = 5,840 lb say 7,000 lb
16" x 3.4th. Temp. Pipe Pile---2ea x 60ft x 120 lb/ft = 14,400 lb

<u>WELC2M</u>	WELDING CREW W/ CRANE, 2-ME	0.00	CH	Prod: 0.0000 UH	Lab Pcs: 3.00	Eqp Pcs: 3.00
3OXY00	Oxygen & Acetylene	0.00	SH	50.000		
3TEMP PILE	Temp. Pipe Pile	0.02	LB	0.550		
3TEMPLATE	Driving Template, Sh	0.01	LB	0.550		
3WEL00	Welding Mat'ls	0.00	SH	100.000		
8CRH40	Crane Hydro-40tn	1.00	0.00 HR	64.541		
8WE200	Welder-DSL 200 amp	2.00	0.00 HR	14.765		
NCOE37	Oper Crane <45tn, G	1.00	0.00 MH	34.490		
NCPD02	Piledriverman	2.00	0.00 MH	33.900		
\$0.02				[]		

2.00

2.00

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	

BID ITEM = 4040 CLIENT# = 4.4 Land Item SCHEDULE: 1 100
Description = SUBMERGED SHEET PILE ENCLOSURE Unit = LF Takeoff Quan: 586.000 Engr Quan: 586.000

71556	DRIVE TEMPORARY PILE	Quan: 14.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	14.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	14.00 HR	523.000		1,022		6,300		7,322
8BAR10	Flat Barge - 1000tn	1.00	14.00 HR	85.227		1,193				1,193
8BOD02	Crewboat "Joey" - Du	1.00	14.00 HR	66.009		526		398		924
8CO250	Compressor 250 CFM	1.00	14.00 HR	20.382		206		80		285
8HAD46	Hammer Delmag D46	1.00	14.00 HR	100.135		1,402				1,402
8HAVE3	Vibratory Extractor -	1.00	14.00 HR	96.537		1,352				1,352
8WE400	Welder-DSL 400 amp	1.00	14.00 HR	18.800		193		70		263
NCOE31	Oper Crane >100tn, G	1.00	14.00 MH	37.990	1,115					1,115
NCOE38	Oper Oiler, GR 1A	1.00	14.00 MH	28.730	920					920
NCPD01	Piledriver Foreman	1.00	14.00 MH	37.290	1,131					1,131
NCPD02	Piledriverman	4.00	56.00 MH	33.900	4,237					4,237
\$20,143.69	7.0000 MH/EA	98.0000	MH	[271.479]	7,402	5,894		6,847		20,144
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84

**Unreviewed

71557	HANDLE/PLACE TEMPLATE	Quan: 13.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	13.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	13.00 HR	523.000		949		5,850		6,799
8BAR10	Flat Barge - 1000tn	1.00	13.00 HR	85.227		1,108				1,108
8BOD02	Crewboat "Joey" - Du	1.00	13.00 HR	66.009		489		369		858
8CO250	Compressor 250 CFM	1.00	13.00 HR	20.382		191		74		265
8HAD46	Hammer Delmag D46	1.00	13.00 HR	100.135		1,302				1,302
8HAVE3	Vibratory Extractor -	1.00	13.00 HR	96.537		1,255				1,255
8WE400	Welder-DSL 400 amp	1.00	13.00 HR	18.800		179		65		244
NCOE31	Oper Crane >100tn, G	1.00	13.00 MH	37.990	1,036					1,036
NCOE38	Oper Oiler, GR 1A	1.00	13.00 MH	28.730	854					854

**Unreviewed

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4040	CLIENT# = 4.4	Land Item	SCHEDULE: 1	100						
Description = SUBMERGED SHEET PILE ENCLOSURE	Unit = LF	Takeoff Quan:	586.000	Engr Quan:	586.000					
NCPD01	Piledriver Foreman	1.00	13.00 MH	37.290	1,050					1,050
NCPD02	Piledriverman	4.00	52.00 MH	33.900	3,934					3,934
\$18,704.85	7.0000 MH/EA	91.0000	MH	[271.479]	6,874	5,473		6,358		18,705
1.0000 Units/H	10.0000 Un/Shift	0.1429	Unit/M		528.75	421.00		489.09		1,438.83
71571	DRIVE WATER SHEETPILE	Quan: 126.00	PR	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	84.00	CH	Prod: 1.5000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	84.00 HR	523.000		6,132		37,800		43,932
8BAR10	Flat Barge - 1000tn	1.00	84.00 HR	85.227		7,159				7,159
8BOD02	Crewboat "Joey" - Du	1.00	84.00 HR	66.009		3,158		2,386		5,545
8CO250	Compressor 250 CFM	1.00	84.00 HR	20.382		1,235		477		1,712
8HAD46	Hammer Delmag D46	1.00	84.00 HR	100.135		8,411				8,411
8HAVE3	Vibratory Extractor -	1.00	84.00 HR	96.537		8,109				8,109
8WE400	Welder-DSL 400 amp	1.00	84.00 HR	18.800		1,159		420		1,579
NCOE31	Oper Crane >100tn, G	1.00	84.00 MH	37.990	6,691					6,691
NCOE38	Oper Oiler, GR 1A	1.00	84.00 MH	28.730	5,518					5,518
NCPD01	Piledriver Foreman	1.00	84.00 MH	37.290	6,785					6,785
NCPD02	Piledriverman	4.00	336.00 MH	33.900	25,421					25,421
\$120,862.22	4.6666 MH/PR	588.0000	MH	[180.986]	44,415	35,364		41,084		120,862
1.5000 Units/H*	15.0000 Un/Shift	0.2143	Unit/M		352.50	280.67		326.06		959.22
71587	REMOVE TEMPORARY PIPE PILE	Quan: 14.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	14.00	CH	Prod: 1.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	14.00 HR	523.000		1,022		6,300		7,322
8BAR10	Flat Barge - 1000tn	1.00	14.00 HR	85.227		1,193				1,193
8BOD02	Crewboat "Joey" - Du	1.00	14.00 HR	66.009		526		398		924
8CO250	Compressor 250 CFM	1.00	14.00 HR	20.382		206		80		285
8HAD46	Hammer Delmag D46	1.00	14.00 HR	100.135		1,402				1,402

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4040	CLIENT# = 4.4	Land Item	SCHEDULE: 1	100						
Description = SUBMERGED SHEET PILE ENCLOSURE			Unit = LF	Takeoff Quan:	586.000	Engr Quan:	586.000			
8HAVE3	Vibratory Extractor -	1.00	14.00 HR	96.537		1,352				1,352
8WE400	Welder-DSL 400 amp	1.00	14.00 HR	18.800		193		70		263
NCOE31	Oper Crane >100tn, G	1.00	14.00 MH	37.990	1,115					1,115
NCOE38	Oper Oiler, GR 1A	1.00	14.00 MH	28.730	920					920
NCPD01	Piledriver Foreman	1.00	14.00 MH	37.290	1,131					1,131
NCPD02	Piledriverman	4.00	56.00 MH	33.900	4,237					4,237
\$20,143.69	7.0000 MH/EA	98.0000	MH	[271.479]	7,402	5,894		6,847		20,144
1.0000	Units/H*	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84
=====> Item Totals:	4040	- SUBMERGED SHEET PILE ENCLOSURE								
\$1,169,455.21	1.9306 MH/LF	1,131.39	MH	[74.907]	85,454	924,126	88,957	70,918		1,169,455
1,995.657	586 LF				145.83	1,577.01	151.80	121.02		1,995.66

BID ITEM = 4050		CLIENT# = 4.5	Land Item	SCHEDULE: 1	100				
Description = BOAT RAMPS				Unit = EA	Takeoff Quan: 1.000	Engr Quan: 1.000			
735005	STEEL PIPE PILE - 18IN X 0.5IN TH.			Quan: 2,440.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1	
See sheet C36.1 and C36.2. Furnish steel pipe pile FOB plant, loaded on Contractor's trucks. 114.1ton / 20tn/ld = 5.7ld, Say 6 loads. 6lds x 4hrs/ld = 24hrs.									
2PIPE PILE18	Steel Pipe Pil@109.2	228,140.00	LB	0.660	164,500			164,500	
3FREIGHT	Freight Allowance	1.00	LS	4,800.000		4,800		4,800	
\$169,300.35				[]	164,500	4,800		169,300	
					67.42	1.97		69.39	
735010	UNLOAD PIPE PILE AT YARD			Quan: 117.00	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1	
Unload pipe pile at yard and place on barge.									
CR5M	CRANE, 5-MEN	5.85	CH	Prod: 20.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 1.00		

COST REPORT

[illegible]

COST REPORT

Activity	Description	Quantity	Unit	Unit	Labor	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost		Material	Matl/Ex	Ownershi	Operatio	Contract	
BID ITEM = 4050											
CLIENT# = 4.5		Land Item	SCHEDULE: 1	100							
Description = BOAT RAMPS				Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
9.42 lf/ea x 35ea = 329.7 lf of welding.											
<u>WELC4M</u>	WELDING CREW W/ CRANE, 4-ME	82.42	CH	Prod: 4.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	5.00			
3OXY00	Oxygen & Acetylene	10.51	SH	50.000		526					526
3WEL00	Welding Mat'ls	42.01	SH	100.000		4,201					4,201
8CRH40	Crane Hydro-40tn	1.00	82.43	HR	64.541	5,320					5,320
8WE200	Welder-DSL 200 amp	4.00	329.70	HR	14.765	4,194		674			4,868
NCOE37	Oper Crane <45tn, G	1.00	82.43	MH	34.490	6,131					6,131
NCPD02	Piledriverman	4.00	329.70	MH	33.900	24,944					24,944
\$45,989.70	1.2500 MH/LF	412.1300	MH	[48.179]	31,075	14,240		674			45,990
4.0002	Units/H*	40.0024	Un/Shift	0.8000 Unit/M	94.25	43.19		2.04			139.49
735025	RIG UP & DOWN	Quan: 2.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Rig up and down at each side.											
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	2.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00			
8BAD04	Crane Barge w/200tn	1.00	2.00	HR	523.000	146		900			1,046
8BAR10	Flat Barge - 1000tn	1.00	2.00	HR	85.227	170					170
8BOD02	Crewboat "Joey" - Du	1.00	2.00	HR	66.009	75		57			132
8CO250	Compressor 250 CFM	1.00	2.00	HR	20.382	29		11			41
8HAD46	Hammer Delmag D46	1.00	2.00	HR	100.135	200					200
8HAVE3	Vibratory Extractor -	1.00	2.00	HR	96.537	193					193
8WE400	Welder-DSL 400 amp	1.00	2.00	HR	18.800	28		10			38
NCOE31	Oper Crane >100tn, G	1.00	2.00	MH	37.990	159					159
NCOE38	Oper Oiler, GR 1A	1.00	2.00	MH	28.730	131					131
NCPD01	Piledriver Foreman	1.00	2.00	MH	37.290	162					162
NCPD02	Piledriverman	4.00	8.00	MH	33.900	605					605
\$2,877.68	7.0000 MH/EA	14.0000	MH	[271.49]	1,058	842		978			2,878
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.76	421.00		489.09			1,438.84

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
735030	MODIFY SHEET PILE TEMPLATE	Quan: 2,000.00 LB	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>WELC2M</u>	WELDING CREW W/ CRANE, 2-ME	16.00	CH	Prod: 125.0000 UH	Lab Pcs:	3.00	Eqp Pcs:	3.00		
3OXY00	Oxygen & Acetylene	3.00	SH	50.000		150				150
3TEMP STEEL	Temporary Steel	2,000.00	LB	0.550		1,100				1,100
3WEL00	Welding Mat'ls	3.00	SH	100.000		300				300
8CRH40	Crane Hydro-40tn	1.00	16.00	HR		1,033				1,033
8WE200	Welder-DSL 200 amp	2.00	32.00	HR		407		65		472
NCOE37	Oper Crane <45tn, G	1.00	16.00	MH	1,190					1,190
NCPD02	Piledriverman	2.00	32.00	MH	2,421					2,421
\$6,666.21	0.0240 MH/LB	48.0000	MH	[0.927]	3,611	2,990		65		6,666
125.0000	Units/H*	1,250.0000	Un/Shift	41.6667 Unit/M	1.81	1.49		0.03		3.33
735035	DRIVE TEMPORARY PILE	Quan: 18.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
Temp. template Pipe Pile---4ea x 40ft x 120 lb/ft = 19,200 lb										
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	18.00	CH	Prod: 1.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
3TEMP PILE	Temp. Pipe Pile	28,800.00	LB	0.550		15,840				15,840
8BAD04	Crane Barge w/200tn	1.00	18.00	HR		1,314		8,100		9,414
8BAR10	Flat Barge - 1000tn	1.00	18.00	HR		1,534				1,534
8BOD02	Crewboat "Joey" - Du	1.00	18.00	HR		677		511		1,188
8CO250	Compressor 250 CFM	1.00	18.00	HR		265		102		367
8HAD46	Hammer Delmag D46	1.00	18.00	HR		1,802				1,802
8HAVE3	Vibratory Extractor -	1.00	18.00	HR		1,738				1,738
8WE400	Welder-DSL 400 amp	1.00	18.00	HR		248		90		338
NCOE31	Oper Crane >100tn, G	1.00	18.00	MH	1,434					1,434
NCOE38	Oper Oiler, GR 1A	1.00	18.00	MH	1,182					1,182
NCPD01	Piledriver Foreman	1.00	18.00	MH	1,454					1,454
NCPD02	Piledriverman	4.00	72.00	MH	5,447					5,447
\$41,739.01	7.0000 MH/EA	126.0000	MH	[271.477]	9,517	23,418		8,804		41,739

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS		Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000				
1.0000	Units/H	10.0000	Un/Shift	0.1429	Unit/M	528.75	1,301.00	489.09		2,318.83
735040	HANDLE/PLACE TEMPLATE	Quan: 16.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	16.00	CH	Prod: 1.0000	HU	Lab Pcs: 7.00	Eqp Pcs: 7.00			
8BAD04	Crane Barge w/200tn	1.00	16.00	HR	523.000	1,168	7,200			8,368
8BAR10	Flat Barge - 1000tn	1.00	16.00	HR	85.227	1,364				1,364
8BOD02	Crewboat "Joey" - Du	1.00	16.00	HR	66.009	602	455			1,056
8CO250	Compressor 250 CFM	1.00	16.00	HR	20.382	235	91			326
8HAD46	Hammer Delmag D46	1.00	16.00	HR	100.135	1,602				1,602
8HAVE3	Vibratory Extractor -	1.00	16.00	HR	96.537	1,545				1,545
8WE400	Welder-DSL 400 amp	1.00	16.00	HR	18.800	221	80			301
NCOE31	Oper Crane >100tn, G	1.00	16.00	MH	37.990	1,275				1,275
NCOE38	Oper Oiler, GR 1A	1.00	16.00	MH	28.730	1,051				1,051
NCPD01	Piledriver Foreman	1.00	16.00	MH	37.290	1,292				1,292
NCPD02	Piledriverman	4.00	64.00	MH	33.900	4,842				4,842
\$23,021.35	7.0000 MH/EA	112.0000	MH	[271.478]	8,460	6,736	7,825			23,021
1.0000	Units/H	10.0000	Un/Shift	0.1429	Unit/M	528.75	421.00	489.09		1,438.83
735045	REMOVE TEMPLATE	Quan: 16.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	8.00	CH	Prod: 0.5000	HU	Lab Pcs: 7.00	Eqp Pcs: 7.00			
8BAD04	Crane Barge w/200tn	1.00	8.00	HR	523.000	584	3,600			4,184
8BAR10	Flat Barge - 1000tn	1.00	8.00	HR	85.227	682				682
8BOD02	Crewboat "Joey" - Du	1.00	8.00	HR	66.009	301	227			528
8CO250	Compressor 250 CFM	1.00	8.00	HR	20.382	118	45			163
8HAD46	Hammer Delmag D46	1.00	8.00	HR	100.135	801				801
8HAVE3	Vibratory Extractor -	1.00	8.00	HR	96.537	772				772
8WE400	Welder-DSL 400 amp	1.00	8.00	HR	18.800	110	40			150
NCOE31	Oper Crane >100tn, G	1.00	8.00	MH	37.990	637				637
NCOE38	Oper Oiler, GR 1A	1.00	8.00	MH	28.730	526				526

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
NCPD01	Piledriver Foreman	1.00	8.00 MH	37.290	646					646
NCPD02	Piledriverman	4.00	32.00 MH	33.900	2,421					2,421
\$11,510.68	3.5000 MH/EA	56.0000	MH	[135.739]	4,230	3,368		3,913		11,511
2.0000	Units/H	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50		244.55		719.42

735050 REMOVE TEMPORARY PILE

		Quan: 18.00 EA		Hrs/Shft: 10.00		Cal: 510 WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	9.00	CH	Prod: 0.5000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	9.00 HR	523.000		657		4,050		4,707
8BAR10	Flat Barge - 1000tn	1.00	9.00 HR	85.227		767				767
8BOD02	Crewboat "Joey" - Du	1.00	9.00 HR	66.009		338		256		594
8CO250	Compressor 250 CFM	1.00	9.00 HR	20.382		132		51		183
8HAD46	Hammer Delmag D46	1.00	9.00 HR	100.135		901				901
8HAVE3	Vibratory Extractor -	1.00	9.00 HR	96.537		869				869
8WE400	Welder-DSL 400 amp	1.00	9.00 HR	18.800		124		45		169
NCOE31	Oper Crane >100tn, G	1.00	9.00 MH	37.990	717					717
NCOE38	Oper Oiler, GR 1A	1.00	9.00 MH	28.730	591					591
NCPD01	Piledriver Foreman	1.00	9.00 MH	37.290	727					727
NCPD02	Piledriverman	4.00	36.00 MH	33.900	2,724					2,724
\$12,949.51	3.5000 MH/EA	63.0000	MH	[135.738]	4,759	3,789		4,402		12,950
2.0000	Units/H	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50		244.55		719.42

735055 DRIVE STEEL PIPE PILE

		Quan: 49.00 EA		Hrs/Shft: 10.00		Cal: 510 WC: 1				
<u>PDDER1</u>	PD DERRICK, 7MEN - D46	73.50	CH	Prod: 1.5000 HU	Lab Pcs:	7.00	Eqp Pcs:	7.00		
8BAD04	Crane Barge w/200tn	1.00	73.50 HR	523.000		5,366		33,075		38,441
8BAR10	Flat Barge - 1000tn	1.00	73.50 HR	85.227		6,264				6,264
8BOD02	Crewboat "Joey" - Du	1.00	73.50 HR	66.009		2,764		2,088		4,852
8CO250	Compressor 250 CFM	1.00	73.50 HR	20.382		1,080		418		1,498
8HAD46	Hammer Delmag D46	1.00	73.50 HR	100.135		7,360				7,360
8HAVE3	Vibratory Extractor -	1.00	73.50 HR	96.537		7,095				7,095

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 4050	CLIENT# = 4.5		Land Item	SCHEDULE: 1	100					
Description = BOAT RAMPS				Unit = EA	Takeoff Quan:	1.000	Engr Quan:		1.000	
8WE400	Welder-DSL 400 amp	1.00	73.50 HR	18.800			1,014		368	1,382
NCOE31	Oper Crane >100tn, G	1.00	73.50 MH	37.990	5,855					5,855
NCOE38	Oper Oiler, GR 1A	1.00	73.50 MH	28.730	4,828					4,828
NCPD01	Piledriver Foreman	1.00	73.50 MH	37.290	5,937					5,937
NCPD02	Piledriverman	4.00	294.00 MH	33.900	22,243					22,243
\$105,754.43	10.5000 MH/EA	514.5000	MH	[407.217]	38,863		30,943		35,948	105,754
0.6667	Units/H	6.6667	Un/Shift	0.0952 Unit/M	793.12		631.50		733.64	2,158.25
735060	CUTOFF STEEL PIPE & DISPOSE			Quan: 49.00 EA	Hrs/Shft: 10.00		Cal: 510	WC: 1		
1P	1-PILEDRIVERMAN		49.00 CH	Prod: 1.0000 HU		Lab Pcs:	1.00	Eqp Pcs:	0.00	
NCPD02	Piledriverman	1.00	49.00 MH	33.900	3,707					3,707
\$3,707.18	1.0000 MH/EA	49.0000	MH	[38.409]	3,707					3,707
1.0000	Units/H	10.0000	Un/Shift	1.0000 Unit/M	75.66					75.66
740005	WOOD FORM MAT'LS - BOAT RAMPS			Quan: 1,215.00 SF	Hrs/Shft: 10.00		Cal: 510	WC: 1		
Furnish wood form materials. Quantities are based on 1 use of forms.										
3FOR03	Form Plywood, 3/4"	1.00	1,215.00 SF	0.800			972			972
3FOR11	Form lumber, 2x4's	1.00	2.43 MBFM	800.000			1,944			1,944
3FOR30	Form oil,ties,nails	1.00	1,215.00 SF	0.330			401			401
\$3,316.95				[]			3,317			3,317
							2.73			2.73
740007	SET & STRIP SOFFIT FORMS			Quan: 945.00 SF	Hrs/Shft: 10.00		Cal: 510	WC: 1		
4C	4-MAN CARP CREW		39.18 CH	Prod: 12.0000 \$U		Lab Pcs:	4.00	Eqp Pcs:	0.00	
NCCA01	Carpenter, FRMN, SF	1.00	39.19 MH	38.220	3,074					3,074
NCCA02	Carpenter, JRMN, SF	3.00	117.56 MH	34.750	8,606					8,606
\$11,680.52	0.1658 MH/SF	156.7500	MH	[6.694]	11,681					11,681
24.1194	Units/H	241.1945	Un/Shift	6.0287 Unit/M	12.36					12.36

COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs						Matl/Ex	Ownershi	Operatio	Contract	
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100								
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:		1.000	Engr Quan:		1.000			
740010	BUILD WOOD FORMS-WALLS	Quan: 270.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1						
2-man carp crew prefab forms at 20sf/m-hr.												
2C	2-MAN CARP CREW	6.75	CH	Prod: 20.0000	UM	Lab Pcs:	2.00	Eqp Pcs:	1.00			
8CO150	Compressor 150 CFM	1.00	6.75	HR	16.165		78		31			
NCCA02	Carpenter, JRMN, SF	2.00	13.50	MH	34.750	988						
\$1,097.42	0.0500 MH/SF	13.5000	MH	[1.969]		988	78		31			
40.0000	Units/H	400.0000	Un/Shift	20.0000	Unit/M *	3.66	0.29		0.11			
740015	SET WOOD FORMS-WALLS	Quan: 270.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1						
6-man crew set wood forms @ 12sf/m-hr.												
4C	4-MAN CARP CREW	5.62	CH	Prod: 12.0000	UM	Lab Pcs:	4.00	Eqp Pcs:	0.00			
NCCA01	Carpenter, FRMN, SF	1.00	5.63	MH	38.220	442						
NCCA02	Carpenter, JRMN, SF	3.00	16.88	MH	34.750	1,236						
\$1,677.39	0.0833 MH/SF	22.5100	MH	[3.364]		1,677						
48.0427	Units/H	480.4270	Un/Shift	11.9947	Unit/M *	6.21						
740020	STRIP WOOD FORMS-WALLS	Quan: 270.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1						
3-man crew strip wood forms @ 60sf/ch.												
3L	3-MAN LAB CREW	1.50	CH	Prod: 60.0000	UM	Lab Pcs:	3.00	Eqp Pcs:	0.00			
NCLA03	Laborer, FRMN-Spec	1.00	1.50	MH	27.850	86						
NCLA04	Laborer, JRMN-Speci	2.00	3.00	MH	26.850	167						
\$252.03	0.0166 MH/SF	4.5000	MH	[0.513]		252						
180.0000	Units/H	1,800.0000	Un/Shift	60.0000	Unit/M *	0.93						
740025	F & I RESTEEL	Quan: 3,850.00	LB	Hrs/Shft: 10.00	Cal: 510	WC: 1						
Rebar sub furnish and install rebar.												
4REB00	Sub F&I Rebar	1.00	3,850.00	LB	1.000					3,850	3,850	

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
740030	CONCRETE DELIVERED-4000 PSI	Quan: 45.70 CY	Hrs/Shft: 10.00	Cal: 510 WC:1						
Supplier furnish concrete F.O.B. jobsite. This is for the cip concrete boat ramp and abutment.										
2CON40	Concrete-4000p@109	1.00	48.20 CY	110.000		5,792				5,792
740035	PLACE CONC-SLABS-PUMP	Quan: 45.70 CY	Hrs/Shft: 10.00	Cal: 510 WC:1						
5-man crew places concrete with small boom pump.										
CON5M	CONC PLACING, 5-MEN	3.00 CH	Prod: 15.2333 UH	Lab Pcs: 5.00	Eqp Pcs: 0.00					
83CPC0	Pumping Charge	1.00	45.70 CY	2.500		114				114
8CP050	Conc Pump 50cy/hr	1.00	5.00 HR	110.000		550				550
NCCA01	Carpenter, FRMN, SF	1.00	3.00 MH	38.220	235					235
NCCA02	Carpenter, JRMN, SF	1.00	3.00 MH	34.750	220					220
NCLA04	Laborer, JRMN-Speci	3.00	9.00 MH	26.850	500					500
\$1,618.75	0.3282 MH/CY	15.0000	MH	[11.418]	955	664				1,619
15.2333	Units/H*	152.3333	Un/Shift	3.0467 Unit/M	20.89	14.54				35.42
740040	FINISH CONCRETE	Quan: 1,150.00 SF	Hrs/Shft: 10.00	Cal: 510 WC:1						
Men finish concrete at 100sf/m-hr.										
FIN4M	FINISHING CREW, 4-MEN	2.87 CH	Prod: 100.0000 UM	Lab Pcs: 4.00	Eqp Pcs: 0.00					
NCCM02	Cement Mason, JRM	4.00	11.50 MH	27.520	676					676
\$676.10	0.0100 MH/SF	11.5000	MH	[0.312]	676					676
400.6969	Units/H	4,006.9686	Un/Shift	100.0000 Unit/M *	0.59					0.59
740045	CURE CONCRETE	Quan: 2,370.00 SF	Hrs/Shft: 10.00	Cal: 510 WC:1						
One man places curing compound at 700sf/hr										
2L	2-MAN LAB CREW	1.69 CH	Prod: 700.0000 UM	Lab Pcs: 2.00	Eqp Pcs: 0.00					
3CUR00	Curing Compound	1.00	2,370.00 SF	0.080		190				190
NCLA04	Laborer, JRMN-Speci	2.00	3.39 MH	26.850	188					188
\$377.76	0.0014 MH/SF	3.3900	MH	[0.044]	188	190				378
1,402.3669	Units/H	14,023.6686	Un/Shift	699.1198 Unit/M *	0.08	0.08				0.16

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:			1.000	
742010	FURNISH STEEL RAMP FRAME	Quan: 142,400.00	LB	Hrs/Shft: 10.00	Cal: 510	WC: 1				
2GROUT BY SK	Cement Grout b@109	185.00	SK	20.000		4,042				4,042
2LAG BOLT5/8	Lag Bolt - 5/8@109.2	80.00	EA	1.750		153				153
2NEO GASKET	Neoprene Gaske@10	200.00	LF	5.000		1,093				1,093
2STL FRAME	Prefabbed Stee@109.	142,500.00	LB	2.000		311,363				311,363
2TIMBER TR	Treated Frame @109.	1.46	MBFM	1,100.000		1,755				1,755
2WASHER5/8	Washer - 5/8"@109.2	100.00	EA	0.100		11				11
3FREIGHT	Freight Allowance	1.00	LS	5,600.000			5,600			5,600
\$324,015.69				[]		318,416	5,600			324,016
						2.24	0.04			2.28
742015	COAT RAMP FRAME	Quan: 6,500.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
4PAI00	Painting Sub	6,500.00	SF	4.000					26,000	26,000
**Unreviewed										
742020	TRANSPORT STEEL FRAME	Quan: 71.25	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
71.25tn.	Allow three truckloads.	4hr x 3ea = 12hr								
8TKFB0	Truck-Flatbed	12.00	HR	95.000		1,140				1,140
742030	UNLOAD & LOAD MAT'LS ON BARGE	Quan: 71.25	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
CR5M	CRANE, 5-MEN	3.56	CH	Prod: 20.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 1.00			
8CRC10	Crane Crawler-100tn	1.00	3.56	HR	86.044	306				306
NCOE31	Oper Crane >100tn, G	1.00	3.56	MH	37.990	284				284
NCOE38	Oper Oiler, GR 1A	1.00	3.56	MH	28.730	234				234
NCPD01	Piledriver Foreman	1.00	3.56	MH	37.290	288				288
NCPD02	Piledriverman	2.00	7.13	MH	33.900	539				539
\$1,650.69	0.2499 MH/TN	17.8100	MH	[9.732]	1,344	306				1,651
20.0140	Units/H*	200.1404	Un/Shift	4.0006	Unit/M	18.87	4.30			23.17

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4050 CLIENT# = 4.5 Land Item SCHEDULE: 1 100
Description = BOAT RAMPS Unit = EA Takeoff Quan: 1.000 Engr Quan: 1.000

742040	PLACE PREFABBED CAP BEAM	Quan: 20.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>CRB7M</u>	DERRICK, 7MEN	10.00	CH	Prod: 2.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	10.00 HR	523.000		730		4,500		5,230
8BAR10	Flat Barge - 1000tn	1.00	10.00 HR	85.227		852				852
8CO250	Compressor 250 CFM	1.00	10.00 HR	20.382		147		57		204
8WE400	Welder-DSL 400 amp	2.00	20.00 HR	18.800		276		100		376
NCOE31	Oper Crane >100tn, G	1.00	10.00 MH	37.990	797					797
NCOE38	Oper Oiler, GR 1A	1.00	10.00 MH	28.730	657					657
NCPD01	Piledriver Foreman	1.00	10.00 MH	37.290	808					808
NCPD02	Piledriverman	4.00	40.00 MH	33.900	3,026					3,026
\$11,949.53	3.5000 MH/EA	70.0000	MH	[135.739]	5,287	2,005		4,657		11,950
2.0000	Units/H*	20.0000	Un/Shift	0.2857 Unit/M	264.37	100.26		232.84		597.48

742045	GROUT CAP ANNULUS	Quan: 43.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>3L</u>	3-MAN LAB CREW	14.33	CH	Prod: 3.0000 UH	Lab Pcs:	3.00	Eqp Pcs:	0.00		
NCLA03	Laborer, FRMN-Spec	1.00	14.33 MH	27.850	817					817
NCLA04	Laborer, JRMN-Speci	2.00	28.67 MH	26.850	1,591					1,591
\$2,408.33	1.0000 MH/EA	43.0000	MH	[30.799]	2,408					2,408
3.0007	Units/H*	30.0070	Un/Shift	1.0000 Unit/M	56.01					56.01

742050	PLACE LONGITUDINAL HSS BEAMS	Quan: 34.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1						
Allow 1 shift of divers to secure lower beams.										
<u>CRB7M</u>	DERRICK, 7MEN	17.00	CH	Prod: 2.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	5.00		
4DIV00	Diving Sub	1.70	SH	4,600.000					7,820	7,820
8BAD04	Crane Barge w/200tn	1.00	17.00 HR	523.000		1,241		7,650		8,891
8BAR10	Flat Barge - 1000tn	1.00	17.00 HR	85.227		1,449				1,449
8CO250	Compressor 250 CFM	1.00	17.00 HR	20.382		250		97		346
8WE400	Welder-DSL 400 amp	2.00	34.00 HR	18.800		469		170		639

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff	Quan:	1.000	Engr	Quan:	1.000	
NCOE31	Oper Crane >100tn, G	1.00	17.00 MH	37.990	1,354					1,354
NCOE38	Oper Oiler, GR 1A	1.00	17.00 MH	28.730	1,117					1,117
NCPD01	Piledriver Foreman	1.00	17.00 MH	37.290	1,373					1,373
NCPD02	Piledriverman	4.00	68.00 MH	33.900	5,145					5,145
\$28,134.21	3.5000 MH/EA	119.0000	MH	[135.739]	8,989	3,409		7,917	7,820	28,134
2.0000	Units/H*	20.0000	Un/Shift	0.2857 Unit/M	264.37	100.26		232.84	230.00	827.48
745010	FURN CONC SHEET PILE - 10"X48"	Quan: 2,093.00 LF		Hrs/Shft: 10.00	Cal: 510	WC: 1				
See sht C37 and C65. Furnish concrete pile FOB plant loaded on contractor's trucks.										
257.5cy x \$700/cy / 2093 lf = \$86.12/lf										
2SHEET PILE	Conc Sheet Pil@109.	2,093.00	LF	87.000	198,934					198,934
745020	FURNISH MISC MATERIALS	Quan: 1.00 LS		Hrs/Shft: 10.00	Cal: 510	WC: 1				
2NEOPRE 1/8	Neoprene - 1/8@109.	550.00	SF	4.000	2,404					2,404
745030	TRANSPORT CONC PILE - TRUCK	Quan: 521.00 TN		Hrs/Shft: 10.00	Cal: 510	WC: 1				
521ton / 20tn/load = 26 load. 26loads x 4hr/ld = 104 hrs.										
8TKFB0	Truck-Flatbed	104.00	HR	95.000		9,880				9,880
745040	UNLOAD & LOAD PILES ON BARGE	Quan: 81.00 EA		Hrs/Shft: 10.00	Cal: 510	WC: 1				
CR5M	CRANE, 5-MEN	20.25	CH	Prod: 4.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	20.25 HR	86.044		1,742				1,742
NCOE31	Oper Crane >100tn, G	1.00	20.25 MH	37.990	1,613					1,613
NCOE38	Oper Oiler, GR 1A	1.00	20.25 MH	28.730	1,330					1,330
NCPD01	Piledriver Foreman	1.00	20.25 MH	37.290	1,636					1,636
NCPD02	Piledriverman	2.00	40.50 MH	33.900	3,064					3,064
\$9,385.40	1.2500 MH/EA	101.2500	MH	[48.665]	7,643	1,742				9,385
4.0000	Units/H*	40.0000	Un/Shift	0.8000 Unit/M	94.36	21.51				115.87

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS		Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000				
745045	TRANSPORT CONC PILE - BARGE	Quan: 521.00	TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Tug tie up to barge-----.5hr										
tug from Rio Vista to Old River---38mi / 5mi/hr = 7.6hr										
Tug drop barge at jobsite-----0.5hr										
Tug return light to port-----7.0hr										

Total 15.6hr, Say 16hr. Allow for 1/2 barge load here.										
8TUG15	Tugboat 1500 HP	8.00	HR	400.000			3,200			3,200
745050	SPECIAL RIGGING AND SLINGS	Quan: 1.00	LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
3RIGGING	Rigging Allowance	1.00	LS	2,000.000			2,000			2,000
745060	SET NEOPRENE PADS	Quan: 60.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>2L</u>	2-MAN LAB CREW	3.00	CH	Prod: 20.0000	UH	Lab Pcs: 2.00	Eqp Pcs: 0.00			
NCLA04	Laborer, JRMN-Speci	2.00	6.00	MH	26.850	333				333
\$333.02	0.1000 MH/SF	6.0000	MH	[3.042]	333					333
20.0000	Units/H*	200.0000	Un/Shift	10.0000	Unit/M	5.55				5.55
745080	SET PC PLANKS	Quan: 81.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CRB7M</u>	DERRICK, 7MEN	27.00	CH	Prod: 3.0000	UH	Lab Pcs: 7.00	Eqp Pcs: 5.00			
8BAD04	Crane Barge w/200tn	1.00	27.00	HR	523.000	1,971	12,150			14,121
8BAR10	Flat Barge - 1000tn	1.00	27.00	HR	85.227	2,301				2,301
8CO250	Compressor 250 CFM	1.00	27.00	HR	20.382	397	153			550
8WE400	Welder-DSL 400 amp	2.00	54.00	HR	18.800	745	270			1,015
NCOE31	Oper Crane >100tn, G	1.00	27.00	MH	37.990	2,151				2,151
NCOE38	Oper Oiler, GR 1A	1.00	27.00	MH	28.730	1,774				1,774
NCPD01	Piledriver Foreman	1.00	27.00	MH	37.290	2,181				2,181
NCPD02	Piledriverman	4.00	108.00	MH	33.900	8,171				8,171
\$32,263.78	2.3333 MH/EA	189.0000	MH	[90.493]	14,276	5,414	12,573			32,264

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 4050		CLIENT# = 4.5	Land Item	SCHEDULE: 1	100					
Description = BOAT RAMPS				Unit = EA	Takeoff Quan:	1.000	Engr Quan:		1.000	
3.0000	Units/H*	30.0000	Un/Shift	0.4286	Unit/M	176.25	66.84		155.23	398.32
745090	SECURE PLANKS - SET TIMBERS			Quan: 685.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1		
Allow 1 shift of divers to secure lower planks.										
CRB7M	DERRICK, 7MEN	17.12	CH	Prod: 40.0000	UH	Lab Pcs:	7.00	Eqp Pcs:	5.00	
4DIV00	Diving Sub	1.37	SH	4,600.000					6,302	6,302
8BAD04	Crane Barge w/200tn	1.00	17.13	HR	523.000		1,250		7,709	8,959
8BAR10	Flat Barge - 1000tn	1.00	17.13	HR	85.227		1,460			1,460
8CO250	Compressor 250 CFM	1.00	17.13	HR	20.382		252		97	349
8WE400	Welder-DSL 400 amp	2.00	34.25	HR	18.800		473		171	644
NCOE31	Oper Crane >100tn, G	1.00	17.13	MH	37.990	1,365				1,365
NCOE38	Oper Oiler, GR 1A	1.00	17.13	MH	28.730	1,125				1,125
NCPD01	Piledriver Foreman	1.00	17.13	MH	37.290	1,384				1,384
NCPD02	Piledriverman	4.00	68.50	MH	33.900	5,182				5,182
\$26,769.88	0.1750 MH/LF	119.8900	MH	[6.788]	9,056	3,435		7,977	6,302	26,770
40.0117	Units/H*	400.1168	Un/Shift	5.7136	Unit/M	13.22	5.01	11.65	9.20	39.08
745095	FURN & INSTALL CONC BARRIER			Quan: 248.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: 1		
CRB7M	DERRICK, 7MEN	0.00	CH	Prod: 0.0000	UH	Lab Pcs:	7.00	Eqp Pcs:	5.00	
2CONCBARRIE	Concrete Barri@109.	248.00	LF	30.000		8,128				8,128
8BAD04	Crane Barge w/200tn	1.00	0.00	HR	523.000					
8BAR10	Flat Barge - 1000tn	1.00	0.00	HR	85.227					
8CO250	Compressor 250 CFM	1.00	0.00	HR	20.382					
8TKFB0	Truck-Flatbed	24.80	HR	95.000		2,356				2,356
8WE400	Welder-DSL 400 amp	2.00	0.00	HR	18.800					
NCOE31	Oper Crane >100tn, G	1.00	0.00	MH	37.990					
NCOE38	Oper Oiler, GR 1A	1.00	0.00	MH	28.730					
NCPD01	Piledriver Foreman	1.00	0.00	MH	37.290					
NCPD02	Piledriverman	4.00	0.00	MH	33.900					

COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Perm	Material	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100										
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:		1.000	Engr Quan:		1.000					
\$10,484.20			[]			8,128		2,356						10,484
						32.78		9.50						42.28
745097	FURN & PLACE CLASS II FILL	Quan: 15.50 CY	Hrs/Shft: 10.00	Cal: 510	WC: 1									
Aggregate base is fill at the beginning of the boat ramp as shown on sheet C10.														
FIL3M	TRENCH FILL/F.E.L., 3-MEN	5.00 CH	Prod: 3.1000 UH	Lab Pcs:	3.00	Eqp Pcs:	2.00							
2BASE CLII	Aggregate Base@109.	25.00 TN	9.000	246										246
8BH007	Backhoe/FEL .75CY	1.00	5.00 HR	35.055				175						175
8COM10	Walk-Behind Roller (	1.00	5.00 HR	16.536				83						83
8TKD20	Dump Truck-Semi En		10.00 HR	95.000				950						950
NCLA04	Laborer, JRMN-Speci	2.00	10.00 MH	26.850		555								555
NCOE12	Oper Bkhoe/Loader <	1.00	5.00 MH	32.380		356								356
\$2,364.81	0.9677 MH/CY	15.0000	MH	[31.461]		911	246	1,208						2,365
3.1000	Units/H*	31.0000	Un/Shift	1.0333	Unit/M	58.78	15.86	77.93						152.57
7550010	BOARDING FLOAT	Quan: 1,320.00 SF	Hrs/Shft: 10.00	Cal: 510	WC: 1									
2FLOAT	Boarding Float@109.	1,320.00 SF	75.000	108,158										108,158
2PILE CAP	Pile Cap - 18"@109.2	6.60 EA	30.000	216										216
\$108,373.82			[]	108,374										108,374
				82.10										82.10
7550020	UNLOAD AT JOBSITE	Quan: 0.50 SH	Hrs/Shft: 10.00	Cal: 510	WC: 1									
CRB7M	DERRICK, 7MEN	5.00 CH	Prod: 10.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00							
8BAD04	Crane Barge w/200tn	1.00	5.00 HR	523.000				365		2,250				2,615
8BAR10	Flat Barge - 1000tn	1.00	5.00 HR	85.227				426						426
8CO250	Compressor 250 CFM	1.00	5.00 HR	20.382				74		28				102
8WE400	Welder-DSL 400 amp	2.00	10.00 HR	18.800				138		50				188
NCOE31	Oper Crane >100tn, G	1.00	5.00 MH	37.990		398								398
NCOE38	Oper Oiler, GR 1A	1.00	5.00 MH	28.730		328								328

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4050	CLIENT# = 4.5	Land Item	SCHEDULE: 1	100						
Description = BOAT RAMPS			Unit = EA	Takeoff Quan:	1.000	Engr Quan:	1.000			
NCPD01	Piledriver Foreman	1.00	5.00 MH	37.290	404					404
NCPD02	Piledriverman	4.00	20.00 MH	33.900	1,513					1,513
\$5,974.79	70.0000 MH/SH	35.0000	MH	[2714.8]	2,644	1,003		2,328		5,975
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.50	2,005.26		4,656.82		11,949.58

7550030	ASSEMBLE AT JOBSITE	Quan: 1.00 SH	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>CRB7M</u>	DERRICK, 7MEN	10.00	CH	Prod: 10.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	10.00 HR	523.000		730		4,500		5,230
8BAR10	Flat Barge - 1000tn	1.00	10.00 HR	85.227		852				852
8CO250	Compressor 250 CFM	1.00	10.00 HR	20.382		147		57		204
8WE400	Welder-DSL 400 amp	2.00	20.00 HR	18.800		276		100		376
NCOE31	Oper Crane >100tn, G	1.00	10.00 MH	37.990	797					797
NCOE38	Oper Oiler, GR 1A	1.00	10.00 MH	28.730	657					657
NCPD01	Piledriver Foreman	1.00	10.00 MH	37.290	808					808
NCPD02	Piledriverman	4.00	40.00 MH	33.900	3,026					3,026
\$11,949.53	70.0000 MH/SH	70.0000	MH	[2714.77]	5,287	2,005		4,657		11,950
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.44	2,005.27		4,656.82		11,949.53

7550040	INSTALL BOARDING FLOAT	Quan: 2.00 SH	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>CRB7M</u>	DERRICK, 7MEN	20.00	CH	Prod: 10.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
8BAD04	Crane Barge w/200tn	1.00	20.00 HR	523.000		1,460		9,000		10,460
8BAR10	Flat Barge - 1000tn	1.00	20.00 HR	85.227		1,705				1,705
8CO250	Compressor 250 CFM	1.00	20.00 HR	20.382		294		114		408
8WE400	Welder-DSL 400 amp	2.00	40.00 HR	18.800		552		200		752
NCOE31	Oper Crane >100tn, G	1.00	20.00 MH	37.990	1,593					1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00 MH	28.730	1,314					1,314
NCPD01	Piledriver Foreman	1.00	20.00 MH	37.290	1,615					1,615
NCPD02	Piledriverman	4.00	80.00 MH	33.900	6,053					6,053
\$23,899.11	70.0000 MH/SH	140.0000	MH	[2714.78]	10,575	4,011		9,314		23,899

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
BID ITEM = 4050											
CLIENT# = 4.5											
Land Item											
SCHEDULE: 1											
100											
Description = BOAT RAMPS											
Unit = EA											
Takeoff Quan:											
1.000											
Engr Quan:											
1.000											
0.1000	Units/H	1.0000	Un/Shift	0.0143	Unit/M	5,287.47	2,005.27	4,656.82			11,949.56
7550050 F & I BOARDING FLOAT PLATES											
Quan: 1,870.00 LB											
Hrs/Shft: 10.00											
Cal: 510 WC:1											
See sheet C68/2. This is the hinge and plate at the foot of the abutment.											
<u>3C</u>											
3-MAN CARP CREW											
10.00 CH											
Prod: 187.0000 UH											
Lab Pcs: 3.00											
Eqp Pcs: 0.00											
2STL ABUT	Abutment Steel@109.	1,870.00	LB	0.550		1,124					1,124
NCCA01	Carpenter, FRMN, SF	1.00	10.00	MH	38.220	784					784
NCCA02	Carpenter, JRMN, SF	2.00	20.00	MH	34.750	1,464					1,464
\$3,372.23	0.0160 MH/LB	30.0000	MH	[0.653]	2,249	1,124					3,372
187.0000	Units/H*	1,870.0000	Un/Shift	62.3333	Unit/M	1.20	0.60				1.80
=====> Item Totals: 4050 - BOAT RAMPS											
\$1,307,652.05	2,606.9800	MH/EA	2,606.98	MH	[100650.61]	194,907	809,256	147,453	112,063	43,972	1,307,652
1,307,652.050	1	EA				194,907.46	809,256.18	147,453.34	112,063.07	43,972.00	1,307,652.05

BID ITEM = 4060		CLIENT# = 4.6	Land Item	SCHEDULE: 1	100				
Description = 3FT CATWALK				Unit = SF	Takeoff Quan:	848.000	Engr Quan:	848.000	
2500010	FURN STEEL CATWALK W/ HANDRAILS			Quan: 848.00 SF	Hrs/Shft: 10.00	Cal: 510 WC: 1			
Furnish steel catwalk with handrails. Furnish lower catwalk supports.									
2BOLT3/4X4.5	Bolt 3/4" x 4.@109.2	100.00 EA	2.000		219	219			
2CATWALK	Steel Catwalk @109.2	848.00 SF	140.000		129,702	129,702			
2CATWALK SU	Steel Catwalk @109.2	6,300.00 LB	3.500		24,090	24,090			
2HARDWARE	Bolts, Nuts & @109.2	185.00 LB	3.500		707	707			
2HDPE SLIDE	HDPE Slide - 1@109.	4.00 SF	30.000		131	131			
2NUT3/4	Heavy Hex Nut @109	100.00 EA	0.500		55	55			
2WASHER2.5	Washer 3/4"x2.@109.	200.00 EA	1.500		328	328			

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4060	CLIENT# = 4.6	Land Item	SCHEDULE: 1	100						
Description = 3FT CATWALK		Unit = SF	Takeoff Quan:	848.000	Engr Quan:	848.000				
3FREIGHT	Freight Allowance	1.00 LS	1,600.000			1,600				1,600
\$156,830.60			[]		155,231	1,600				156,831
					183.05	1.89				184.94
2500020	UNLOAD STEEL CATWALK	Quan: 1.00 SH	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>CRB7M</u>	DERRICK, 7MEN	10.00 CH	Prod: 10.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00			
8BAD04	Crane Barge w/200tn	1.00 10.00 HR	523.000		730		4,500			5,230
8BAR10	Flat Barge - 1000tn	1.00 10.00 HR	85.227		852					852
8CO250	Compressor 250 CFM	1.00 10.00 HR	20.382		147		57			204
8WE400	Welder-DSL 400 amp	2.00 20.00 HR	18.800		276		100			376
NCOE31	Oper Crane >100tn, G	1.00 10.00 MH	37.990	797						797
NCOE38	Oper Oiler, GR 1A	1.00 10.00 MH	28.730	657						657
NCPD01	Piledriver Foreman	1.00 10.00 MH	37.290	808						808
NCPD02	Piledriverman	4.00 40.00 MH	33.900	3,026						3,026
\$11,949.53	70.0000 MH/SH	70.0000 MH	[2714.77]	5,287	2,005		4,657			11,950
0.1000	Units/H	1.0000 Un/Shift	0.0143 Unit/M	5,287.44	2,005.27		4,656.82			11,949.53
2500030	INSTALL STEEL CATWALK	Quan: 255.00 LF	Hrs/Shft: 10.00	Cal: 510 WC: 1						
<u>CRB7M</u>	DERRICK, 7MEN	25.50 CH	Prod: 100.0000 US	Lab Pcs:	7.00	Eqp Pcs:	5.00			
3OXY00	Oxygen & Acetylene	3.22 SH	50.000		161					161
3WEL00	Welding Mat'ls	3.22 SH	100.000		322					322
8BAD04	Crane Barge w/200tn	1.00 25.50 HR	523.000		1,862		11,475			13,337
8BAR10	Flat Barge - 1000tn	1.00 25.50 HR	85.227		2,173					2,173
8CO250	Compressor 250 CFM	1.00 25.50 HR	20.382		375		145			520
8WE400	Welder-DSL 400 amp	2.00 51.00 HR	18.800		704		255			959
NCOE31	Oper Crane >100tn, G	1.00 25.50 MH	37.990	2,031						2,031
NCOE38	Oper Oiler, GR 1A	1.00 25.50 MH	28.730	1,675						1,675
NCPD01	Piledriver Foreman	1.00 25.50 MH	37.290	2,060						2,060
NCPD02	Piledriverman	4.00 102.00 MH	33.900	7,717						7,717

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4060	CLIENT# = 4.6	Land Item	SCHEDULE: 1	100						
Description = 3FT CATWALK			Unit = SF	Takeoff Quan:	848.000	Engr Quan:	848.000			
\$30,954.36	0.7000 MH/LF	178.5000	MH	[27.148]	13,483	5,596	11,875			30,954
10.0000 Units/H	100.0000 Un/Shift *	1.4286	Unit/M		52.87	21.95	46.57			121.39
=====> Item Totals:	4060 - 3FT CATWALK									
\$199,734.49	0.2930 MH/SF	248.50	MH	[11.365]	18,770	155,231	9,202	16,532		199,734
235.536	848 SF				22.14	183.05	10.85	19.49		235.54

BID ITEM = 4070 CLIENT# = 4.7 Land Item SCHEDULE: 1 100
Description = DREDGING Unit = CY Takeoff Quan: 5,950.000 Engr Quan: 5,950.000

3806 INSTALL SILT SCREEN Quan: 700.00 LF Hrs/Shft: 10.00 Cal: 510 WC: 1

Use silt screen from Old River.

<u>DRE5M</u>	DREDGING CREW	7.98	CH	Prod: 0.0114 HU	Lab Pcs:	5.00	Eqp Pcs:	4.00		
8BAD01	Paula Lee Derrick - D	1.00	7.98 HR	1,063.753		1,688		6,801		8,489
8BAD14	Flat Barge - Dutra	1.00	7.98 HR	66.285		166		363		529
8BUC06	Bucket-Clam Mtl HD	1.00	7.98 HR	20.005		160				160
8TUG15	Tugboat 1500 HP	1.00	7.98 HR	400.000		3,192				3,192
NCOE29	Oper Clamshell >7cy,	1.00	7.98 MH	37.990	636					636
NCOE38	Oper Oiler, GR 1A	1.00	7.98 MH	28.730	524					524
NCOE42	Oper Captain, GR 1	1.00	7.98 MH	37.240	634					634
NCOE45	Oper Deck Engineer,	1.00	7.98 MH	31.160	561					561
NCOE49	Oper H.D. Repairman	1.00	7.98 MH	32.280	575					575
\$15,299.02	0.0570 MH/LF	39.9000	MH	[2.162]	2,930	5,205		7,164		15,299
87.7193 Units/H	877.1930 Un/Shift	17.5439	Unit/M		4.19	7.44		10.23		21.86

3842 DREDGE - CRANE-BUCKET Quan: 6,624.00 CY Hrs/Shft: 10.00 Cal: 510 WC: 1

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4070 CLIENT# = 4.7 Land Item SCHEDULE: 1 100
Description = DREDGING Unit = CY Takeoff Quan: 5,950.000 Engr Quan: 5,950.000

Neat quantity is 5,950cy. Add 1.0ft for overdredge.
202ft x 90ft x 1.0ft/27 = 674cy

<u>DRE5M</u>	DREDGING CREW		26.49	CH	Prod: 250.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	4.00	
8BAD01	Paula Lee Derrick - D	1.00	26.50	HR	1,063.753		5,604	22,585		28,189
8BAD14	Flat Barge - Dutra	1.00	26.50	HR	66.285		552	1,205		1,757
8BUC06	Bucket-Clam Mtl HD	1.00	26.50	HR	20.005			530		530
8TUG15	Tugboat 1500 HP	1.00	26.50	HR	400.000			10,600		10,600
NCOE29	Oper Clamshell >7cy,	1.00	26.50	MH	37.990	2,111				2,111
NCOE38	Oper Oiler, GR 1A	1.00	26.50	MH	28.730	1,741				1,741
NCOE42	Oper Captain, GR 1	1.00	26.50	MH	37.240	2,106				2,106
NCOE45	Oper Deck Engineer,	1.00	26.50	MH	31.160	1,863				1,863
NCOE49	Oper H.D. Repairman	1.00	26.50	MH	32.280	1,908				1,908
\$50,805.19	0.0200 MH/CY	132.5000	MH	[0.759]	9,729		17,286	23,790		50,805
250.0566	Units/H*	2,500.5663	Un/Shift	49.9925 Unit/M	1.47		2.61	3.59		7.67

3850 MOVE EQUIP TO UNLOAD SITE,BACK Quan: 7.00 EA Hrs/Shift: 10.00 Cal: 510 WC:1

Assume somewhere within 1-1/2hr tow, the dredged material can be unloaded.

<u>DRE5M</u>	DREDGING CREW		35.00	CH	Prod: 5.0000 HU	Lab Pcs:	5.00	Eqp Pcs:	4.00	
8BAD01	Paula Lee Derrick - D	1.00	35.00	HR	1,063.753		7,402	29,830		37,231
8BAD14	Flat Barge - Dutra	1.00	35.00	HR	66.285		729	1,591		2,320
8BUC06	Bucket-Clam Mtl HD	1.00	35.00	HR	20.005			700		700
8TUG15	Tugboat 1500 HP	1.00	35.00	HR	400.000			14,000		14,000
NCOE29	Oper Clamshell >7cy,	1.00	35.00	MH	37.990	2,788				2,788
NCOE38	Oper Oiler, GR 1A	1.00	35.00	MH	28.730	2,299				2,299
NCOE42	Oper Captain, GR 1	1.00	35.00	MH	37.240	2,782				2,782
NCOE45	Oper Deck Engineer,	1.00	35.00	MH	31.160	2,461				2,461
NCOE49	Oper H.D. Repairman	1.00	35.00	MH	32.280	2,520				2,520
\$67,101.21	25.0000 MH/EA	175.0000	MH	[948.321]	12,850		22,831	31,420		67,101
0.2000	Units/H	2.0000	Un/Shift	0.0400 Unit/M	1,835.67		3,261.57	4,488.64		9,585.89

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4070 CLIENT# = 4.7 Land Item SCHEDULE: 1 100
Description = DREDGING Unit = CY Takeoff Quan: 5,950.000 Engr Quan: 5,950.000

3855	BUILD TRUCK RAMPS				Quan: 700.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:1			
<u>DOZ10</u>	DOZER, 1 OPER		31.11 CH	Prod: 22.5008 UH	Lab Pcs: 1.00	Eqp Pcs: 2.00				
8COM20	Tndm Roller, 2.5tn (B	1.00	31.11 HR	21.665		674				674
8DOZ06	Dozer-CAT D6D	1.00	31.11 HR	53.389		1,661				1,661
NCOE13	Oper Dozer, GR 4	1.00	31.11 MH	32.380	2,215					2,215
\$4,549.84	0.0444 MH/CY	31.1100	MH	[1.63]	2,215	2,335				4,550
22.5008	Units/H*	225.0080	Un/Shift	22.5008 Unit/M	3.16	3.34				6.50

3868	UNLOAD DREDGED MATERIAL				Quan: 6,324.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:1			
Assume material is loaded into semis who drive down the road and go down another ramp to unload on the other side of the levee.										
Allow 3trucks x 10hr/sh x 10sh = 300hr										
<u>DRE5M</u>	DREDGING CREW		81.07 CH	Prod: 78.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 4.00				
8BAD01	Paula Lee Derrick - D	1.00	81.08 HR	1,063.753		17,147		69,102		86,249
8BAD14	Flat Barge - Dutra	1.00	81.08 HR	66.285		1,689		3,685		5,374
8BUC06	Bucket-Clam Mtl HD	1.00	81.08 HR	20.005		1,622				1,622
8TKD20	Dump Truck-Semi En		241.07 HR	95.000		22,902				22,902
8TUG15	Tugboat 1500 HP	1.00	81.08 HR	400.000		32,432				32,432
NCOE29	Oper Clamshell >7cy,	1.00	81.08 MH	37.990	6,459					6,459
NCOE38	Oper Oiler, GR 1A	1.00	81.08 MH	28.730	5,326					5,326
NCOE42	Oper Captain, GR 1	1.00	81.08 MH	37.240	6,444					6,444
NCOE45	Oper Deck Engineer,	1.00	81.08 MH	31.160	5,701					5,701
NCOE49	Oper H.D. Repairman	1.00	81.08 MH	32.280	5,838					5,838
\$178,346.39	0.0641 MH/CY	405.4000	MH	[2.432]	29,767	75,791		72,788		178,346
78.0067	Units/H*	780.0666	Un/Shift	15.5994 Unit/M	4.71	11.98		11.51		28.20

3870	SPREAD DREDGED MATERIAL				Quan: 6,324.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:1			
Spread material as it is sidecast by derrick. Allow same amount of time.										
<u>DOZ10</u>	DOZER, 1 OPER		81.07 CH	Prod: 78.0000 UH	Lab Pcs: 1.00	Eqp Pcs: 1.00				

COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 4070		CLIENT# = 4.7	Land Item	SCHEDULE: 1	100									
Description = DREDGING				Unit = CY	Takeoff Quan:	5,950.000	Engr Quan:		5,950.000					
8DOZ06	Dozer-CAT D6D	1.00	81.08 HR	53.389					4,329					4,329
NCOE13	Oper Dozer, GR 4	1.00	81.08 MH	32.380		5,773								5,773
\$10,101.45	0.0128 MH/CY	81.0800	MH	[0.47]		5,773			4,329					10,101
78.0067	Units/H*	780.0666	Un/Shift	77.9971 Unit/M		0.91			0.68					1.60
3871	ALLOW FLAGGERS			Quan: 9.00	SH	Hrs/Shft: 10.00			Cal: 510	WC: 1				
Allow two flaggers while loading and unloading trucks.														
2L	2-MAN LAB CREW	72.00	CH	Prod: 8.0000	HU		Lab Pcs: 2.00		Eqp Pcs: 0.00					
NCLA04	Laborer, JRMN-Speci	2.00	144.00 MH	26.850		7,993								7,993
\$7,992.69	16.0000 MH/SH	144.0000	MH	[486.737]		7,993								7,993
0.1250	Units/H	1.2500	Un/Shift	0.0625 Unit/M		888.08								888.08
3890	DRAG DREDGED AREA			Quan: 18,180.00	SF	Hrs/Shft: 10.00			Cal: 510	WC: 1				
Dredged Area: 200ft x 90ft = 18,180ft														
DRE5M	DREDGING CREW	4.04	CH	Prod: 4,500.0000	UH		Lab Pcs: 5.00		Eqp Pcs: 4.00					
8BAD01	Paula Lee Derrick - D	1.00	4.04 HR	1,063.753					854		3,443			4,298
8BAD14	Flat Barge - Dutra	1.00	4.04 HR	66.285					84		184			268
8BUC06	Bucket-Clam Mtl HD	1.00	4.04 HR	20.005					81					81
8TUG15	Tugboat 1500 HP	1.00	4.04 HR	400.000					1,616					1,616
NCOE29	Oper Clamshell >7cy,	1.00	4.04 MH	37.990		322								322
NCOE38	Oper Oiler, GR 1A	1.00	4.04 MH	28.730		265								265
NCOE42	Oper Captain, GR 1	1.00	4.04 MH	37.240		321								321
NCOE45	Oper Deck Engineer,	1.00	4.04 MH	31.160		284								284
NCOE49	Oper H.D. Repairman	1.00	4.04 MH	32.280		291								291
\$7,745.36	0.0011 MH/SF	20.2000	MH	[0.042]		1,483			2,635		3,627			7,745
4,500.0000	Units/H*	45,000.0000	Un/Shift	900.0009 Unit/M		0.08			0.14		0.20			0.43
=====> Item Totals: 4070 - DREDGING														
\$341,941.15	0.1729 MH/CY	1,029.19	MH	[6.356]		72,739			130,413		138,789			341,941

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4070	CLIENT# = 4.7	Land Item	SCHEDULE: 1	100						
Description = DREDGING			Unit = CY	Takeoff Quan:	5,950.000	Engr Quan:	5,950.000			
57.469	5950 CY				12.23	21.92	23.33			57.47

BID ITEM = 4080	CLIENT# = 4.8	Land Item	SCHEDULE: 1	100						
Description = BEDDING MATERIAL			Unit = TON	Takeoff Quan:	11,750.000	Engr Quan:	11,750.000			

2650020 FURNISH BEDDING MATERIAL **Quan: 12,850.00 TON Hrs/Shft: 10.00 Cal: 510 WC:1**
 Neat quantity is 11,75ton. Add 1.0ft for overdredge.
 202ft x 90ft x 1.0ft/27 = 674cy x 1.62tn/cy = 1,092ton, Say 1,100ton. Supplier furnish bedding material loaded on contractor's barge.
 2BEDDING ROC Bedding Rock@109.2 12,850.00 TON 13.000 182,502 182,502

2650030 TOW FLAT BARGE FROM S.R. & BACK **Quan: 13.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1**
 Tandem tow from Rio Vista to San Rafael, 46mi/6mph = 7.7hr
 Tug standby for barge loading, no charge
 tandem tow from S.R. to Rio Vista, 46mi/5mph = 9.2hr
 Single tow from Rio Vista to Old River, 38mi/5mph = 7.6hr
 Tug standby for barge unloading, no charge
 Tug return w/ empty from Old River to Rio Vista, 38mi/8mph = 4.8hr
 Single tow from Rio Vista to Old River, 38mi/5mph = 7.6hr
 Tug standby for barge unloading, no charge
 Tug return w/ empty from Old River to Rio Vista, 38mi/8mph = 4.8hr

 Total 41.7hr, Say 42hr for two barges or 21hr/load
 8TUG15 Tugboat 1500 HP 273.00 HR 400.000 109,200 109,200

2650040 PLACE BEDDING MATERIAL **Quan: 12,850.00 TON Hrs/Shft: 10.00 Cal: 510 WC:1**
DER5M DERRICK CREW 5MEN 51.40 CH **Prod: 250.0000 UH** Lab Pcs: 5.00 Eqp Pcs: 6.00
 8BAD01 Paula Lee Derrick - D 1.00 51.40 HR 1,063.753 10,870 43,807 54,677

COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-
Resource							Material	Matl/ExOwnershi	Operatio	Contract	Total
BID ITEM =	4080	CLIENT# =	4.8	Land Item	SCHEDULE:	1	100				
Description = BEDDING MATERIAL						Unit =	TON	Takeoff Quan:	11,750.000	Engr Quan:	11,750.000
8BAD14	Flat Barge - Dutra	2.00	102.80	HR	66.285			2,141		4,673	6,814
8CO250	Compressor 250 CFM	1.00	51.40	HR	20.382			756		292	1,048
8TUG15	Tugboat 1500 HP	1.00	51.40	HR	400.000			20,560			20,560
8WE200	Welder-DSL 200 amp	1.00	51.40	HR	14.765			654		105	759
NCOE29	Oper Clamshell >7cy,	1.00	51.40	MH	37.990	4,094					4,094
NCOE38	Oper Oiler, GR 1A	1.00	51.40	MH	28.730	3,377					3,377
NCPD01	Piledriver Foreman	1.00	51.40	MH	37.290	4,152					4,152
NCPD02	Piledriverman	2.00	102.80	MH	33.900	7,778					7,778
\$103,257.58	0.0200 MH/TON	257.0000	MH	[0.779]		19,400		34,981		48,877	103,258
250.0000	Units/H*	2,500.0000	Un/Shift	50.0000	Unit/M	1.51		2.72		3.80	8.04
2650050	SCREED BEDDING MATERIAL				Quan:	18,180.00	SF	Hrs/Shft:	10.00	Cal:	510 WC: 1
DER5M	DERRICK CREW 5MEN		5.00	CH	Prod:	3,636.0000	UH	Lab Pcs:	5.00	Eqp Pcs:	6.00
8BAD01	Paula Lee Derrick - D	1.00	5.00	HR	1,063.753			1,057		4,261	5,319
8BAD14	Flat Barge - Dutra	2.00	10.00	HR	66.285			208		455	663
8CO250	Compressor 250 CFM	1.00	5.00	HR	20.382			74		28	102
8TUG15	Tugboat 1500 HP	1.00	5.00	HR	400.000			2,000			2,000
8WE200	Welder-DSL 200 amp	1.00	5.00	HR	14.765			64		10	74
NCOE29	Oper Clamshell >7cy,	1.00	5.00	MH	37.990	398					398
NCOE38	Oper Oiler, GR 1A	1.00	5.00	MH	28.730	328					328
NCPD01	Piledriver Foreman	1.00	5.00	MH	37.290	404					404
NCPD02	Piledriverman	2.00	10.00	MH	33.900	757					757
\$10,044.53	0.0013 MH/SF	25.0000	MH	[0.054]		1,887		3,403		4,755	10,045
3,636.0000	Units/H*	36,360.0000	Un/Shift	727.2040	Unit/M	0.10		0.19		0.26	0.55
=====> Item Totals: 4080 - BEDDING MATERIAL											
\$405,004.24	0.0240 MH/TON	282.00	MH	[0.934]		21,287	182,502	147,584		53,631	405,004
34.468	11750 TON					1.81	15.53	12.56		4.56	34.47

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-		
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total
BID ITEM = 4090											
CLIENT# = 4.9		Land Item	SCHEDULE: 1	100							
Description = ROCK FILL			Unit = TON	Takeoff Quan: 12,700.000	Engr Quan: 12,700.000						
2650020	FURNISH ROCK MATERIAL	Quan: 12,700.00	TON	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Supplier furnish rock material loaded on contractor's barge.											
2ROCK	Rock Mat'l@109.25%	12,700.00	TON	15.000		208,121					208,121
2650030	TOW FLAT BARGE FROM S.R. & BACK	Quan: 13.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1					
Tandem tow from Rio Vista to San Rafael, 46mi/6mph = 7.7hr											
Tug standby for barge loading, no charge											
tandem tow from S.R. to Rio Vista, 46mi/5mph = 9.2hr											
Single tow from Rio Vista to Old River, 38mi/5mph = 7.6hr											
Tug standby for barge unloading, no charge											
Tug return w/ empty from Old River to Rio Vista, 38mi/8mph = 4.8hr											
Single tow from Rio Vista to Old River, 38mi/5mph = 7.6hr											
Tug standby for barge unloading, no charge											
Tug return w/ empty from Old River to Rio Vista, 38mi/8mph = 4.8hr											

Total 41.7hr, Say 42hr for two barges or 21hr/load											
8TUG15	Tugboat 1500 HP	273.00	HR	400.000		109,200					109,200
2650040	PLACE ROCK MATERIAL	Quan: 12,700.00	TON	Hrs/Shft: 10.00	Cal: 510	WC: 1					
<u>DER5M</u>	DERRICK CREW 5MEN	50.80	CH	Prod: 250.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 6.00				
8BAD01	Paula Lee Derrick - D	1.00	50.80	HR	1,063.753	10,743		43,295			54,039
8BAD14	Flat Barge - Dutra	2.00	101.60	HR	66.285	2,116		4,618			6,735
8CO250	Compressor 250 CFM	1.00	50.80	HR	20.382	747		289			1,035
8TUG15	Tugboat 1500 HP	1.00	50.80	HR	400.000	20,320					20,320
8WE200	Welder-DSL 200 amp	1.00	50.80	HR	14.765	646		104			750
NCOE29	Oper Clamshell >7cy,	1.00	50.80	MH	37.990	4,047					4,047
NCOE38	Oper Oiler, GR 1A	1.00	50.80	MH	28.730	3,337					3,337
NCPD01	Piledriver Foreman	1.00	50.80	MH	37.290	4,103					4,103
NCPD02	Piledriverman	2.00	101.60	MH	33.900	7,687					7,687

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total

BID ITEM = 4100 CLIENT# = 4.10 Land Item SCHEDULE: 1 100
Description = BARGE INSTALLATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2800005 FURNISH & INSTALL 500 TN PILE **Quan: 4.00 EA Hrs/Shft: 10.00 Cal: 510 WC: 1**

**Unreviewed

<u>DER7M</u>	DERRICK CREW 7MEN	80.00	CH	Prod: 20.0000 HU	Lab Pcs:	7.00	Eqp Pcs:	6.00	
3FREIGHT	Freight Allowance	1.00	LS	3,200.000		3,200			3,200
3MISC STEEL	Misc Steel Materials	20,000.00	LB	0.600		12,000			12,000
3OXY00	Oxygen & Acetylene	8.00	SH	50.000		400			400
3PILE STL	Pipe Steel - 500tn	133,200.00	LB	0.900		119,880			119,880
3STRAIN JACK	Strand Jack	4.00	EA	15,000.000		60,000			60,000
3WEL00	Welding Mat'ls	8.00	SH	100.000		800			800
8BAD01	Paula Lee Derrick - D	1.00	80.00	HR		16,918	68,182		85,100
8BAD14	Flat Barge - Dutra	2.00	160.00	HR		3,333	7,273		10,606
8CO250	Compressor 250 CFM	1.00	80.00	HR		1,176	455		1,631
8TUG15	Tugboat 1500 HP	1.00	80.00	HR		32,000			32,000
8WE200	Welder-DSL 200 amp	1.00	80.00	HR		1,018	164		1,181
NCOE29	Oper Clamshell >7cy,	1.00	80.00	MH	6,373				6,373
NCOE38	Oper Oiler, GR 1A	1.00	80.00	MH	5,255				5,255
NCPD01	Piledriver Foreman	1.00	80.00	MH	6,462				6,462

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4100 CLIENT# = 4.10 Land Item SCHEDULE: 1 100
Description = BARGE INSTALLATION Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

NCPD02	Piledriverman	4.00	320.00 MH	33.900	24,210					24,210
\$369,097.28	140.0000 MH/EA	560.0000	MH	[5429.563]	42,300	250,725		76,073		369,097
0.0500	Units/H	0.5000	Un/Shift	0.0071 Unit/M	10,574.92	62,681.20		19,018.20		92,274.32

2800010 SETUP TO POSITION BARGE & FLOOD Quan: 2.00 SH Hrs/Shft: 10.00 Cal: 510 WC: 1
DER7M DERRICK CREW 7MEN 20.00 CH Prod: 10.0000 HU Lab Pcs: 7.00 Eqp Pcs: 6.00

8BAD01	Paula Lee Derrick - D	1.00	20.00 HR	1,063.753		4,230		17,045		21,275
8BAD14	Flat Barge - Dutra	2.00	40.00 HR	66.285		833		1,818		2,651
8CO250	Compressor 250 CFM	1.00	20.00 HR	20.382		294		114		408
8TUG15	Tugboat 1500 HP	1.00	20.00 HR	400.000		8,000				8,000
8WE200	Welder-DSL 200 amp	1.00	20.00 HR	14.765		254		41		295
NCOE29	Oper Clamshell >7cy,	1.00	20.00 MH	37.990	1,593					1,593
NCOE38	Oper Oiler, GR 1A	1.00	20.00 MH	28.730	1,314					1,314
NCPD01	Piledriver Foreman	1.00	20.00 MH	37.290	1,615					1,615
NCPD02	Piledriverman	4.00	80.00 MH	33.900	6,053					6,053
\$43,204.33	70.0000 MH/SH	140.0000	MH	[2714.78]	10,575	13,611		19,018		43,204
0.1000	Units/H	1.0000	Un/Shift	0.0143 Unit/M	5,287.47	6,805.60		9,509.10		21,602.17

2800020 FLOOD BARGE Quan: 1.00 SH Hrs/Shft: 10.00 Cal: 510 WC: 1
Have diver team on standby as a precaution.
DER7M DERRICK CREW 7MEN 10.00 CH Prod: 10.0000 HU Lab Pcs: 7.00 Eqp Pcs: 6.00

4DIV00	Diving Sub	1.00	SH	4,600.000					4,600	4,600
8BAD01	Paula Lee Derrick - D	1.00	10.00 HR	1,063.753		2,115		8,523		10,638
8BAD14	Flat Barge - Dutra	2.00	20.00 HR	66.285		417		909		1,326
8CO250	Compressor 250 CFM	1.00	10.00 HR	20.382		147		57		204
8TUG15	Tugboat 1500 HP	1.00	10.00 HR	400.000		4,000				4,000
8WE200	Welder-DSL 200 amp	1.00	10.00 HR	14.765		127		20		148
NCOE29	Oper Clamshell >7cy,	1.00	10.00 MH	37.990	797					797
NCOE38	Oper Oiler, GR 1A	1.00	10.00 MH	28.730	657					657

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4100	CLIENT# = 4.10	Land Item	SCHEDULE: 1	100						
Description = BARGE INSTALLATION		Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000				
NCPD01	Piledriver Foreman	1.00	10.00 MH	37.290	808					808
NCPD02	Piledriverman	4.00	40.00 MH	33.900	3,026					3,026
\$26,202.14	70.0000 MH/SH	70.0000	MH	[2714.77]	5,287	6,806		9,509	4,600	26,202
0.1000	Units/H	1.0000	Un/Shift	0.0143	Unit/M	5,287.44	6,805.60	9,509.10	4,600.00	26,202.14
2800030	PROVIDE EXTRA EQUIPMENT	Quan: 2.00	SH	Hrs/Shft: 10.00	Cal: 510	WC: 1				
8PUD010	Pump - High Volume	24.00	HR	77.273		1,855				1,855
8PUD04	Pump 4" Dewatering	72.00	HR	14.145		1,018				1,018
8TUG10	Tugboat 1000 HP	16.00	HR	310.000		4,960				4,960
\$7,832.99				[]		7,833				7,833
0.1000	Units/H	1.0000	Un/Shift			3,916.50				3,916.50
2800040	REMOVE TEMP PILE	Quan: 4.00	EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>DER7M</u>	DERRICK CREW 7MEN	15.00	CH	Prod: 3.7500	HU	Lab Pcs: 7.00	Eqp Pcs: 6.00			
8BAD01	Paula Lee Derrick - D	1.00	15.00 HR	1,063.753		3,172	12,784			15,956
8BAD14	Flat Barge - Dutra	2.00	30.00 HR	66.285		625	1,364			1,989
8CO250	Compressor 250 CFM	1.00	15.00 HR	20.382		221	85			306
8TUG15	Tugboat 1500 HP	1.00	15.00 HR	400.000		6,000				6,000
8WE200	Welder-DSL 200 amp	1.00	15.00 HR	14.765		191	31			221
NCOE29	Oper Clamshell >7cy,	1.00	15.00 MH	37.990	1,195					1,195
NCOE38	Oper Oiler, GR 1A	1.00	15.00 MH	28.730	985					985
NCPD01	Piledriver Foreman	1.00	15.00 MH	37.290	1,212					1,212
NCPD02	Piledriverman	4.00	60.00 MH	33.900	4,539					4,539
\$32,403.27	26.2500 MH/EA	105.0000	MH	[1018.048]	7,931	10,208	14,264			32,403
0.2667	Units/H	2.6667	Un/Shift	0.0381	Unit/M	1,982.81	2,552.10	3,565.91		8,100.82
=====> Item Totals:	4100 - BARGE INSTALLATION									
\$478,740.01	875.0000 MH/LS	875.00	MH	[33934.77]	66,093	289,183	118,864	4,600		478,740

**Unreviewed

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4100	CLIENT# = 4.10	Land Item	SCHEDULE: 1	100						
Description = BARGE INSTALLATION			Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000			
478,740.010	1 LS			66,093.28	289,182.99		118,863.74	4,600.00	478,740.01	
BID ITEM = 4110	CLIENT# = 4.11	Land Item	SCHEDULE: 1	100						
Description = MONO PILES - 36"			Unit = LF	Takeoff Quan:	462.000	Engr Quan:	462.000			
713196	FURN PIPE PILE A252,GR2 36"X.750		Quan: 480.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: 1				
See sheet C31. Furnish pipe pile, FOB PLANT.										
2PIPE PILE36	Pipe Pile - 36@109.2	137,296.74	LB	0.710	106,498					106,498
3FREIGHT	Freight Allowance	1.00	LS	13,000.000		13,000				13,000
\$119,497.65				[]	106,498	13,000				119,498
					221.87	27.08				248.95
71327	BACKUP RINGS		Quan: 6.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Say .375in th. 3'x3.1415 = 9.42ft x .12ft = 1.13sf/ea 15.3lb/sf x 1.13sf/ea = 17.3lb/ea 17.3lb/ea x 4ea = 69 lb										
2BACKUP RING	Backup Ring - @109.	6.00	EA	35.000	229					229
71335	TRANSPORT PIPE PILE - TRUCK		Quan: 68.00 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Truck pipe pile material to yard. Assume 4hr/load. 68ton/20tn/load = 3.4 loads, say 3 loads x 4hr/ld = 12hrs.										
8TKFB0	Truck-Flatbed	12.00	HR	95.000		1,140				1,140
71340	UNLOAD PIPE PILE AT YARD		Quan: 68.00 TN	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>CR5M</u>	CRANE, 5-MEN	3.40	CH	Prod: 20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00		
8CRC10	Crane Crawler-100tn	1.00	3.40 HR	86.044		293				293
NCOE31	Oper Crane >100tn, G	1.00	3.40 MH	37.990	271					271

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4110 CLIENT# = 4.11 Land Item SCHEDULE: 1 100
Description = MONO PILES - 36" Unit = LF Takeoff Quan: 462.000 Engr Quan: 462.000

71350 TRANSPORT PIPE PILE - BARGE Quan: 68.00 TN Hrs/Shft: 10.00 Cal: 510 WC:1

Transport to jobsite with other pipe pile.

There are no cost resources for this activity.

71352 RIG MOVES Quan: 6.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

Allowance for moving from one location to the next.

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	3.00	CH	Prod: 0.5000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00	
8BAD04	Crane Barge w/200tn	1.00	3.00 HR	523.000	219	1,350	1,569
8BAR10	Flat Barge - 1000tn	1.00	3.00 HR	85.227	256		256
8BOD02	Crewboat "Joey" - Du	1.00	3.00 HR	66.009	113	85	198
8CO250	Compressor 250 CFM	1.00	3.00 HR	20.382	44	17	61
8HAD46	Hammer Delmag D46	1.00	3.00 HR	100.135	300		300
8HAVE3	Vibratory Extractor -	1.00	3.00 HR	96.537	290		290
8WE400	Welder-DSL 400 amp	1.00	3.00 HR	18.800	41	15	56
NCOE31	Oper Crane >100tn, G	1.00	3.00 MH	37.990	239		239
NCOE38	Oper Oiler, GR 1A	1.00	3.00 MH	28.730	197		197
NCPD01	Piledriver Foreman	1.00	3.00 MH	37.290	242		242
NCPD02	Piledriverman	4.00	12.00 MH	33.900	908		908
\$4,316.49	3.5000 MH/EA	21.0000	MH	[135.738]	1,586	1,263	1,467
2.0000	Units/H	20.0000	Un/Shift	0.2857 Unit/M	264.37	210.50	244.54
							719.42

71371 DRIVE WATER PIPE PILE Quan: 6.00 EA Hrs/Shft: 10.00 Cal: 510 WC:1

<u>PDDER1</u>	PD DERRICK, 7MEN - D46	6.00	CH	Prod: 1.0000 HU	Lab Pcs: 7.00	Eqp Pcs: 7.00	
8BAD04	Crane Barge w/200tn	1.00	6.00 HR	523.000	438	2,700	3,138
8BAR10	Flat Barge - 1000tn	1.00	6.00 HR	85.227	511		511
8BOD02	Crewboat "Joey" - Du	1.00	6.00 HR	66.009	226	170	396
8CO250	Compressor 250 CFM	1.00	6.00 HR	20.382	88	34	122
8HAD46	Hammer Delmag D46	1.00	6.00 HR	100.135	601		601

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4110	CLIENT# = 4.11	Land Item	SCHEDULE: 1	100						
Description = MONO PILES - 36"			Unit = LF	Takeoff Quan:	462.000	Engr Quan:	462.000			
8HAVE3	Vibratory Extractor -	1.00	6.00 HR	96.537		579				579
8WE400	Welder-DSL 400 amp	1.00	6.00 HR	18.800		83		30		113
NCOE31	Oper Crane >100tn, G	1.00	6.00 MH	37.990	478					478
NCOE38	Oper Oiler, GR 1A	1.00	6.00 MH	28.730	394					394
NCPD01	Piledriver Foreman	1.00	6.00 MH	37.290	485					485
NCPD02	Piledriverman	4.00	24.00 MH	33.900	1,816					1,816
\$8,633.02	7.0000 MH/EA	42.0000	MH	[271.478]	3,172	2,526		2,935		8,633
1.0000	Units/H	10.0000	Un/Shift	0.1429 Unit/M	528.75	421.00		489.09		1,438.84
=====> Item Totals:	4110 - MONO PILES - 36"									
\$143,982.16	0.3425 MH/LF	158.25	MH	[13.255]	11,943	106,727	20,795	4,518		143,982
311.650	462 LF				25.85	231.01	45.01	9.78		311.65

BID ITEM = 4120	CLIENT# = 4.12	Land Item	SCHEDULE: 1	100					
Description = TOE BERM			Unit = CY	Takeoff Quan: 5,200.000	Engr Quan: 5,200.000				
Toe berm requires 5950cy. 5,950cy x 1.62tn/cy = 9,640ton. Assume the toe berm material is excavated from another portion of Bacon Island.									

7900010	DISC DREDGED MATERIAL			Quan:	10.00	SH	Hrs/Shift: 10.00	Cal: 510	WC: 1	
Apply soil treatment.										
DOZ1Q	DOZER, 1 OPER			100.00	CH	Prod: 10.0000 HU		Lab Pcs: 1.00	Eqp Pcs: 1.00	
3SOIL TREAT	Soil Treatment			5,930.00	CY	5.000		29,650		29,650
8DOZ06	Dozer-CAT D6D			1.00	100.00	HR		5,339		5,339
NCOE13	Oper Dozer, GR 4			1.00	100.00	MH	7,120			7,120
\$42,108.63	10.0000 MH/SH			100.0000	MH	[366.865]	7,120	34,989		42,109
0.1000	Units/H	1.0000	Un/Shift	0.1000	Unit/M		711.97	3,498.89		4,210.86

COST REPORT

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
											Total
BID ITEM = 4120	CLIENT# = 4.12	Land Item	SCHEDULE: 1	100							
Description = TOE BERM			Unit = CY	Takeoff	Quan:	5,200.000	Engr	Quan:	5,200.000		
7900020	LOADER TO LOAD TRUCKS		Quan: 5,200.00	CY	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Say 10 shifts x10hr/sh x 4 trucks = 400 hrs.											
LOA2M	LOADER, 2-MEN	80.00	CH	Prod: 65.0000	UH	Lab Pcs:	2.00	Eqp Pcs:	1.00		
8LOW03	Loader-Wheel 3.0cy (	1.00	80.00	HR	47.055		3,764				3,764
8TKD20	Dump Truck-Semi En		350.76	HR	95.000		33,322				33,322
NCLA04	Laborer, JRMN-Speci	1.00	80.00	MH	26.850	4,440					4,440
NCOE10	Oper Loader >4cy, G	1.00	80.00	MH	33.760	5,862					5,862
\$47,389.27	0.0307 MH/CY	160.0000	MH	[1.056]	10,303		37,087				47,389
65.0000	Units/H*	650.0000	Un/Shift	32.5000	Unit/M	1.98	7.13				9.11
7900040	PLACE MAT'LS ON BERM		Quan: 5,200.00	CY	Hrs/Shft: 10.00	Cal: 510	WC: 1				
DER5M	DERRICK CREW 5MEN	20.80	CH	Prod: 250.0000	UH	Lab Pcs:	5.00	Eqp Pcs:	6.00		
8BAD01	Paula Lee Derrick - D	1.00	20.80	HR	1,063.753		4,399		17,727		22,126
8BAD14	Flat Barge - Dutra	2.00	41.60	HR	66.285		867		1,891		2,757
8CO250	Compressor 250 CFM	1.00	20.80	HR	20.382		306		118		424
8TUG15	Tugboat 1500 HP	1.00	20.80	HR	400.000		8,320				8,320
8WE200	Welder-DSL 200 amp	1.00	20.80	HR	14.765		265		43		307
NCOE29	Oper Clamshell >7cy,	1.00	20.80	MH	37.990	1,657					1,657
NCOE38	Oper Oiler, GR 1A	1.00	20.80	MH	28.730	1,366					1,366
NCPD01	Piledriver Foreman	1.00	20.80	MH	37.290	1,680					1,680
NCPD02	Piledriverman	2.00	41.60	MH	33.900	3,147					3,147
\$41,785.14	0.0200 MH/CY	104.0000	MH	[0.779]	7,851		14,156		19,779		41,785
250.0000	Units/H*	2,500.0000	Un/Shift	50.0000	Unit/M	1.51	2.72		3.80		8.04
7900050	ROUGH GRADE		Quan: 5,200.00	CY	Hrs/Shft: 10.00	Cal: 510	WC: 1				
DOZ1O	DOZER, 1 OPER	43.69	CH	Prod: 119.0000	UH	Lab Pcs:	1.00	Eqp Pcs:	1.00		
8DOZ06	Dozer-CAT D6D	1.00	43.70	HR	53.389		2,333				2,333
NCOE13	Oper Dozer, GR 4	1.00	43.70	MH	32.380	3,111					3,111

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4120	CLIENT# = 4.12	Land Item	SCHEDULE: 1	100						
Description = TOE BERM			Unit = CY	Takeoff Quan:	5,200.000	Engr Quan:	5,200.000			
\$5,444.42	0.0084 MH/CY	43.7000	MH	[0.308]	3,111	2,333				5,444
119.0204	Units/H*	1,190.2037	Un/Shift	118.9932 Unit/M	0.60	0.45				1.05
7900060	FINE GRADE AND COMPACT	Quan: 5,200.00 CY		Hrs/Shft: 10.00	Cal: 510 WC:1					
<u>GRA3M</u>	GRADING/FILL, 3-MEN	43.69	CH	Prod: 119.0000 UH	Lab Pcs:	3.00	Eqp Pcs:	2.00		
8COM30	Single Vib Roller, (B	1.00	43.70 HR	19.288		843				843
8GR012	Grader-CAT 12G	1.00	43.70 HR	56.383		2,464				2,464
NCLA01	Laborer, FRMN-SF B	1.00	43.70 MH	27.360	2,459					2,459
NCOE05	Oper Finish Blade, G	1.00	43.70 MH	35.240	3,300					3,300
NCOE20	Oper Compactor w/D	1.00	43.70 MH	31.110	3,028					3,028
\$12,093.40	0.0252 MH/CY	131.1000	MH	[0.892]	8,787	3,307				12,093
119.0204	Units/H*	1,190.2037	Un/Shift	39.6644 Unit/M	1.69	0.64				2.33
=====> Item Totals:	4120 - TOE BERM									
\$148,820.86	0.1036 MH/CY	538.80	MH	[3.741]	37,171	91,871	19,779			148,821
28.619	5200 CY				7.15	17.67	3.80			28.62

BID ITEM = 4130 CLIENT# = 4.13 Land Item SCHEDULE: 1 100
Description = GATES & FENCE Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2110010	FURNISH & INSTALL SECURITY GATES			Quan:	2.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
Install security gates on catwalks.													
CRB7M	DERRICK, 7MEN			4.00	CH	Prod:	2.0000	HU	Lab Pcs:	7.00	Eqp Pcs:	5.00	
2SECURITY GA	Security Gate @109.2			2.00	EA	3,000.000			6,555		6,555		
8BAD04	Crane Barge w/200tn			1.00	4.00	HR	523.000			292		1,800	2,092
8BAR10	Flat Barge - 1000tn			1.00	4.00	HR	85.227			341		341	
8CO250	Compressor 250 CFM			1.00	4.00	HR	20.382			59		23	82

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4130	CLIENT# = 4.13		Land Item	SCHEDULE: 1	100					
Description = GATES & FENCE				Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000		
8WE400	Welder-DSL 400 amp	2.00	8.00 HR	18.800			110	40		150
NCOE31	Oper Crane >100tn, G	1.00	4.00 MH	37.990	319					319
NCOE38	Oper Oiler, GR 1A	1.00	4.00 MH	28.730	263					263
NCPD01	Piledriver Foreman	1.00	4.00 MH	37.290	323					323
NCPD02	Piledriverman	4.00	16.00 MH	33.900	1,211					1,211
\$11,334.80	14.0000 MH/EA	28.0000	MH	[542.955]	2,115	6,555	802	1,863		11,335
0.5000	Units/H	5.0000	Un/Shift	0.0714 Unit/M	1,057.49	3,277.50	401.05	931.36		5,667.40
2110020	FURN & INSTALL RAMP GATE			Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1				
Furnish and install security fence and gate at the top of boat ramp.										
3C1O	4-MAN CREW, 3-CARP,1-OP18	4.00	CH	Prod: 4.0000 HU	Lab Pcs:	4.00	Eqp Pcs:	1.00		
2GATE-RAMP	Security Gate @109.2	1.00	EA	3,000.000	3,278					3,278
8CRH40	Crane Hydro-40tn	1.00	4.00 HR	64.541		258				258
NCCA01	Carpenter, FRMN, SF	1.00	4.00 MH	38.220	314					314
NCCA02	Carpenter, JRMN, SF	2.00	8.00 MH	34.750	586					586
NCOE37	Oper Crane <45tn, G	1.00	4.00 MH	34.490	298					298
\$4,732.63	16.0000 MH/EA	16.0000	MH	[644.52]	1,197	3,278	258			4,733
0.2500	Units/H	2.5000	Un/Shift	0.0625 Unit/M	1,196.97	3,277.50	258.16			4,732.63
2110030	FURN & INSTALL FENCE			Quan: 180.00 LF	Hrs/Shft: 10.00	Cal: 510 WC: 1				
Furnish and install fence around utility yard.										
4FEN00	Fencing Sub	180.00	LF	20.000					3,600	3,600
2110040	FURN & INSTALL YARD GATE			Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510 WC: 1				
4FEN00	Fencing Sub	1.00	LS	1,200.000					1,200	1,200
=====> Item Totals: 4130 - GATES & FENCE										
\$20,867.43	44.0000 MH/LS	44.00	MH	[1730.43]	3,312	9,833	1,060	1,863	4,800	20,867
20,867.430	1 LS				3,311.95	9,832.50	1,060.26	1,862.72	4,800.00	20,867.43

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 4140 CLIENT# = 4.14 Land Item SCHEDULE: 1 100 Description = SIGNS, NAVIGATION LIGHTS, BUOYS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000										
2120010	FURNISH & INSTALL SIGNS	Quan:	22.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C</u>	2-MAN CARP CREW	22.00	CH	Prod:	1.0000 HU	Lab Pcs:	2.00	Eqp Pcs:	1.00	
2SIGNS	Warning/Info S@109.	22.00	EA	200.000		4,807				4,807
8CO150	Compressor 150 CFM	1.00	22.00 HR	16.165			256	100		356
NCCA02	Carpenter, JRMN, SF	2.00	44.00 MH	34.750	3,221					3,221
\$8,383.80	2.0000 MH/EA	44.0000	MH	[78.744]	3,221	4,807	256	100		8,384
1.0000	Units/H	10.0000	Un/Shift	0.5000	Unit/M	146.42	218.50	11.62	4.55	381.08
2120020	FURNISH & INSTALL MESSAGE BOARD	Quan:	2.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	6.00	CH	Prod:	3.0000 HU	Lab Pcs:	3.00	Eqp Pcs:	1.00	
2MESS BOARD	Message Board@109.	2.00	EA	2,500.000		5,463				5,463
8CRH40	Crane Hydro-40tn	1.00	6.00 HR	64.541			387			387
NCCA02	Carpenter, JRMN, SF	2.00	12.00 MH	34.750	879					879
NCOE37	Oper Crane <45tn, G	1.00	6.00 MH	34.490	446					446
\$7,174.52	9.0000 MH/EA	18.0000	MH	[353.46]	1,325	5,463	387			7,175
0.3333	Units/H	3.3333	Un/Shift	0.1111	Unit/M	662.39	2,731.25	193.62		3,587.26
2120030	FURNISH & INSTALL NAVIGATION LIGHT	Quan:	2.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C</u>	2-MAN CARP CREW	2.00	CH	Prod:	1.0000 HU	Lab Pcs:	2.00	Eqp Pcs:	1.00	
2NAV LIGHT	Navigational L@109.	2.00	EA	150.000		328				328
8CO150	Compressor 150 CFM	1.00	2.00 HR	16.165			23	9		32
NCCA02	Carpenter, JRMN, SF	2.00	4.00 MH	34.750	293					293
\$652.92	2.0000 MH/EA	4.0000	MH	[78.745]	293	328	23	9		653
1.0000	Units/H	10.0000	Un/Shift	0.5000	Unit/M	146.42	163.88	11.62	4.55	326.46
2120040	FURN & INSTALL FLASHING BARRIER LIT	Quan:	8.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	1	
<u>2C</u>	2-MAN CARP CREW	8.00	CH	Prod:	1.0000 HU	Lab Pcs:	2.00	Eqp Pcs:	1.00	
2FLASH LITE	Flashing Barri@109.2	8.00	EA	150.000		1,311				1,311

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM =	4140	CLIENT# = 4.14	Land Item	SCHEDULE: 1	100					
Description =	SIGNS, NAVIGATION LIGHTS, BUOYS			Unit = LS	Takeoff Quan:	1.000	Engr Quan:	1.000		
8CO150	Compressor 150 CFM	1.00	8.00 HR	16.165			93		36	129
NCCA02	Carpenter, JRMN, SF	2.00	16.00 MH	34.750	1,171					1,171
\$2,611.66	2.0000 MH/EA	16.0000	MH	[78.744]	1,171	1,311	93		36	2,612
1.0000	Units/H	10.0000	Un/Shift	0.5000 Unit/M	146.42	163.88	11.62		4.55	326.46
2120050	FURNISH & INSTALL BUOYS			Quan: 4.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1			
Prepare buoys with chain and anchor. Place in location.										
CRB7M	DERRICK, 7MEN	6.00	CH	Prod: 1.5000 HU	Lab Pcs:	7.00	Eqp Pcs:	5.00		
2BUOY	Buoy, Anchor &@10	4.00	EA	1,500.000	6,555					6,555
8BAD04	Crane Barge w/200tn	1.00	6.00 HR	523.000		438		2,700		3,138
8BAR10	Flat Barge - 1000tn	1.00	6.00 HR	85.227		511				511
8CO250	Compressor 250 CFM	1.00	6.00 HR	20.382		88		34		122
8WE400	Welder-DSL 400 amp	2.00	12.00 HR	18.800		166		60		226
NCOE31	Oper Crane >100tn, G	1.00	6.00 MH	37.990	478					478
NCOE38	Oper Oiler, GR 1A	1.00	6.00 MH	28.730	394					394
NCPD01	Piledriver Foreman	1.00	6.00 MH	37.290	485					485
NCPD02	Piledriverman	4.00	24.00 MH	33.900	1,816					1,816
\$13,724.74	10.5000 MH/EA	42.0000	MH	[407.218]	3,172	6,555	1,203	2,794		13,725
0.6667	Units/H	6.6667	Un/Shift	0.0952 Unit/M	793.12	1,638.75	300.79	698.52		3,431.19
=====>	Item Totals:	4140	- SIGNS, NAVIGATION LIGHTS, BUOYS							
\$32,547.64	124.0000 MH/LS	124.00	MH	[4855.59]	9,183	18,463	1,962	2,940		32,548
32,547.640	1 LS				9,182.62	18,463.25	1,962.24	2,939.53		32,547.64

BID ITEM = 4150 CLIENT# = 4.15 Land Item SCHEDULE: 1 100
Description = ELECTRICAL & LIGHTING Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/ExOwnershi	Operatio	Contract	Total

BID ITEM = 4150 CLIENT# = 4.15 Land Item SCHEDULE: 1 100
Description = ELECTRICAL & LIGHTING Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

2130005	UNLOAD MATERIALS	Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510 WC:1						
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	4.00 CH	Prod: 4.0000 HU	Lab Pcs: 3.00	Eqp Pcs: 1.00					
8CRH40	Crane Hydro-40tn	1.00 4.00 HR	64.541			258				258
NCCA02	Carpenter, JRMN, SF	2.00 8.00 MH	34.750	586						586
NCOE37	Oper Crane <45tn, G	1.00 4.00 MH	34.490	298						298
\$1,141.36	12.0000 MH/LS	12.0000 MH	[471.3]	883		258				1,141
0.2500	Units/H	2.5000 Un/Shift	0.0833 Unit/M	883.20		258.16				1,141.36

2130010	FURN & INSTALL LIGHT POLE	Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
Furnish and install fold-down light pole with two flood lights on operator house.										
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	2.00 CH	Prod: 2.0000 HU	Lab Pcs: 3.00	Eqp Pcs: 1.00					
2LITE POLE-1	Folding Lite P@109.2	1.00 EA	1,680.000	1,835						1,835
8CRH40	Crane Hydro-40tn	1.00 2.00 HR	64.541			129				129
NCCA02	Carpenter, JRMN, SF	2.00 4.00 MH	34.750	293						293
NCOE37	Oper Crane <45tn, G	1.00 2.00 MH	34.490	149						149
\$2,406.08	6.0000 MH/EA	6.0000 MH	[235.64]	442	1,835	129				2,406
0.5000	Units/H	5.0000 Un/Shift	0.1667 Unit/M	441.60	1,835.40	129.08				2,406.08

2130020	FURN & INSTALL LEVEE LIGHT POLES	Quan: 2.00 EA	Hrs/Shft: 10.00	Cal: 510 WC:1						
Furnish and Install two 35' light poles on levee.										
<u>2C1O</u>	3-MAN CREW, 2-CARP,1-OP18	6.00 CH	Prod: 3.0000 HU	Lab Pcs: 3.00	Eqp Pcs: 1.00					
2CON4000	Concrete - 400@109.	2.00 CY	110.000	240						240
2LITE POLE-2	Area Light Pol@109.	2.00 EA	1,800.000	3,933						3,933
8CRH40	Crane Hydro-40tn	1.00 6.00 HR	64.541			387				387
NCCA02	Carpenter, JRMN, SF	2.00 12.00 MH	34.750	879						879
NCOE37	Oper Crane <45tn, G	1.00 6.00 MH	34.490	446						446
\$5,885.37	9.0000 MH/EA	18.0000 MH	[353.46]	1,325	4,173	387				5,885
0.3333	Units/H	3.3333 Un/Shift	0.1111 Unit/M	662.39	2,086.68	193.62				2,942.69

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total

COST REPORT

Activity	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex	Equipme Ownershi	Operatio	Sub- Contract	Total
BID ITEM = 4150	CLIENT# = 4.15		Land Item	SCHEDULE: 1	100						
Description = ELECTRICAL & LIGHTING				Unit = LS	Takeoff Quan:	1.000	Engr Quan:		1.000		
2130060	PLACE CONDUIT & WIRE & CONNECT			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Connect electrical wiring to light poles on levee and run conduit along sheetpile wall to operator house.											
1. imc conduit 2-1/2" Galv-----150ft x \$12.00/ft----\$1,800											
2. PVC Conduit 2-1/2", gray-----250ft x \$2.00/lf-----500											
3. wiring-----5,000											
Total materials: \$7,300											
4ELE00	Electrical Sub		1.00 LS	17,000.000						17,000	17,000
2130070	FURNISH & INSTALL METERED PANEL			Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
2METER PANEL	Metered Panel @109.		1.00 EA	3,000.000		3,278					3,278
4ELE00	Electrical Sub		2.00 SH	1,000.000						2,000	2,000
\$5,277.50				[]		3,278				2,000	5,278
						3,277.50				2,000.00	5,277.50
2130080	FURNISH & INSTALL TRANSFER SWITCH			Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
2TRANSFER SW	Transfer Swith@109.		1.00 EA	4,000.000		4,370					4,370
4ELE00	Electrical Sub		1.00 SH	1,000.000						1,000	1,000
\$5,370.00				[]		4,370				1,000	5,370
						4,370.00				1,000.00	5,370.00
2130090	FURNISH & INSTALL GROUND FAULT MO			Quan: 1.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: 1				
2FAULT MONIT	Ground Fault M@109		1.00 EA	3,500.000		3,824					3,824
4ELE00	Electrical Sub		2.00 SH	1,000.000						2,000	2,000
\$5,823.75				[]		3,824				2,000	5,824
						3,823.75				2,000.00	5,823.75
=====> Item Totals: 4150 - ELECTRICAL & LIGHTING											
\$88,583.82	100.6900 MH/LS		100.69 MH	[3694.6]		6,928	55,922	2,734		23,000	88,584
88,583.820	1 LS					6,928.28	55,921.80	2,733.74		23,000.00	88,583.82

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
BID ITEM = 90000000			Land Item	SCHEDULE: 1	100						
Description = INDIRECT COSTS				Unit = LS	Takeoff Quan:	1.000	Engr Quan:		1.000		
W08093009	Unscheduled Overtime			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
3ZUNSCH	Unscheduled Overtim	2,811,000.00	%BL	0.050			140,550				140,550
W08020005	Supervision - Indirect			Quan: 14.00 MO	Hrs/Shft: 8.00	Cal: 508	WC: 1				
Allow 10 months for Overhead:											
OHOH01	Project Manager	14.00	MO	10,000.000		174,742					174,742
OHOH02	Project Engineer	14.00	MO	8,500.000		148,530					148,530
OHOH04	General Superintende	14.00	MO	8,500.000		148,530					148,530
OHOH07	Safety Engineer	14.00	MO	7,000.000		122,319					122,319
OHOH11	Field Engineer	42.00	MO	7,000.000		366,957					366,957
OHOH12	Office Engineer	14.00	MO	7,000.000		122,319					122,319
OHOH24	Secretary/Receptionist	14.00	MO	3,500.000		61,160					61,160
\$1,144,557.23				[]		1,144,557					1,144,557
						81,754.09					81,754.09
W08020010	Supervision - Direct			Quan: 13.00 MO	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<i>There are no cost resources for this activity.</i>											
W08030005	Quality Control			Quan: 13.00 MO	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Allow for one QC's.											
3ZE400	QC: Quality Control P	1.00	LS	10,000.000			10,000				10,000
OHOH06	QC Engineer	10.00	MO	7,500.000		101,337					101,337
\$111,336.55				[]		101,337	10,000				111,337
						7,795.12	769.23				8,564.35
W08040005	Temporary Roads			Quan: 13.00 MO	Hrs/Shft: 10.00	Cal: 510	WC: 1				
3ZF10	Office - Site	13.00	MO	1,500.000			19,500				19,500
3ZF100	Setup Office Facility	1.00	EA	2,000.000			2,000				2,000

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 90000000		Land Item	SCHEDULE: 1	100						
Description = INDIRECT COSTS		Unit =	LS	Takeoff Quan:	1.000	Engr Quan:	1.000			
3ZF16	Storage Trailer	26.00	MO	300.000		7,800				7,800
3ZF18	Storage Container	13.00	MO	300.000		3,900				3,900
3ZF30	Portable Toilets	52.00	MO	90.000		4,680				4,680
3ZF60	Project Sign	2.00	EA	800.000		1,600				1,600
3ZF70	Temporary Fence	0.00	LF	10.000						
3ZF72	Temporary Road	1.00	LS	0.000						
3ZF74	Public Road Maintena	13.00	MO	1,000.000		13,000				13,000
3ZF80	Yard Rental	0.00	MO	200.000						
\$52,480.00				[]		52,480				52,480
						4,036.92				4,036.92
W08050005	Job/Operating Expenses			Quan: 13.00 MO	Hrs/Shft: 10.00	Cal: 510	WC: 1			
3ZB10	Partnering Session	0.00	LS	5,000.000						
3ZE200	Inspector Overtime	0.00	HR	50.000						
3ZF20	Office Furniture	1.00	LS	1,000.000		1,000				1,000
3ZF34	Utilities - Site Office	13.00	MO	400.000		5,200				5,200
3ZF40	Telephone - Install	0.00	LS	500.000						
3ZF42	Telephone - Site Offic	0.00	MO	100.000						
3ZF46	Cell Phone Charges	13.00	MO	500.000		6,500				6,500
3ZF50	Jobsite Photos: Film	13.00	MO	60.000		780				780
3ZF54	Aerial Photos	0.00	MO	350.000						
3ZF58	Water and Ice	13.00	MO	150.000		1,950				1,950
3ZF62	Signs & Barricades	13.00	MO	100.000		1,300				1,300
3ZF64	Barriers & Warning L	13.00	MO	100.000		1,300				1,300
\$18,030.00				[]		18,030				18,030
						1,386.92				1,386.92
W08060005	Survey/Testing/Engineering			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1			
3ZE201	Soils Testing	1.00	LS	10,000.000		10,000				10,000

COST REPORT

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
										Total
BID ITEM = 90000000			Land Item	SCHEDULE: 1	100					
Description = INDIRECT COSTS			Unit =	LS	Takeoff Quan:	1.000	Engr	Quan:	1.000	
3ZE202	Concrete Testing	1.00	LS	5,000.000			5,000			5,000
3ZE205	Contamination Testin	1.00	LS	5,000.000			5,000			5,000
3ZE206	Air Quality Testing	1.00	LS	5,000.000			5,000			5,000
3ZE216	Geotechnical Enginee	120.00	HR	150.000			18,000			18,000
\$43,000.00				[]			43,000			43,000
							43,000.00			43,000.00
W08070005	Misc Equipment - Pickups			Quan:	13.00	MO	Hrs/Shft:	10.00	Cal: 510	WC: 1
Miscellaneous Equipment: Project Duration - 10mo.										
13mo x 220hr/mo = 2860hr x 5pickups = 14,300 hr										
8TKP.5	Pickup Truck .5tn	14,300.00	HR	14.660			138,138		71,500	209,638
W080700055	Miscellaneous Equipment			Quan:	10.00	MO	Hrs/Shft:	10.00	Cal: 510	WC: 1
Miscellaneous Equipment: Project Duration - 10mo.										
8BOT14	Boom Truck-14tn	3,600.00	HR	27.785			48,888		51,138	100,026
8CO150	Compressor 150 CFM	3,600.00	HR	16.165			41,832		16,362	58,194
8TKW30	Water Truck-3000 Ga	3,600.00	HR	34.091			122,728			122,728
8WE200	Welder-DSL 200 amp	3,600.00	HR	14.765			45,792		7,362	53,154
\$334,101.60				[]			259,240		74,862	334,102
							25,923.96		7,486.20	33,410.16
W08080005	Safety Supplies			Quan:	26.00	MO	Hrs/Shft:	10.00	Cal: 510	WC: 1
3ZF90	Buy Safety Equipmen	0.03	%BL	2,811,000.000			84,330			84,330
3ZF91	Safety Supplies	26.00	MO	100.000			2,600			2,600
3ZSS08	Safety Signs	13.00	EA	200.000			2,600			2,600
3ZSS12	Safety Rails	0.00	LF	10.000						
\$89,530.00				[]			89,530			89,530
							3,443.46			3,443.46

COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/ExOwnershi	Equipme Operatio	Equipme	Sub- Contract	Total
BID ITEM = 90000000			Land Item	SCHEDULE: 1	100						
Description = INDIRECT COSTS				Unit = LS	Takeoff Quan:	1.000	Engr Quan:		1.000		
W08080010	Safety Training			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
Safety Training											
3ZSS16	Safety Training		1.00 LS	4,000.000			4,000				4,000
W08090005	Travel/PerDiem/Housing			Quan: 1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: 1				
3ZT10	Travel		1.00 LS	0.000							
3ZT16	Car Rental		0.00 DAY	50.000							
3ZT18	Airfare R/T Ticket		0.00 EA	1,000.000							
3ZT19	Hourly: Meal Allowa		0.00 DAY	38.000							
3ZT21	Per Diem: Salary		0.00 MO	2,500.000							
3ZT22	Living Allowance		0.00 MO	1,500.000							
3ZT24	Hotel Accomodations		0.00 ROOM	150.000							
3ZT30	Relocation Allowance		1.00 LS	0.000							
\$0.00				[]							
W08091005	Small Tools			Quan: 13.00 MO	Hrs/Shft: 10.00	Cal: 510	WC: 1				
3ZS20	Small Tools & Suppli		0.05 %BL	2,811,000.000			140,550				140,550
W08092005	Cleanup			Quan: 13.00 MO	Hrs/Shft: 10.00	Cal: 510	WC: 1				
<u>1L</u>	1-LABORER		416.00 CH	Prod: 32.0000 HU	Lab Pcs:	1.00	Eqp Pcs:	0.00			
3ZM50	Clean Up Site		0.00 LS	0.000							
3ZM55	Delivery of Waste Co		13.00 EA	500.000			6,500				6,500
3ZM550	Monthly Rental: Wast		13.00 MOS	500.000			6,500				6,500
3ZM60	Punch List Costs		0.00 LS	0.000							
3ZW10	Warranty Expenses		0.00 LS	0.000							
NCLA02	Laborer, JRMN-SF B	1.00	416.00 MH	26.360	22,783						22,783
\$35,782.58	32.0000 MH/MO		416.0000 MH	[955.708]	22,783		13,000				35,783

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 90000000				Land Item	SCHEDULE: 1	100				
Description = INDIRECT COSTS				Unit =	LS	Takeoff Quan:	1.000	Engr Quan:	1.000	
0.0313	Units/H	0.3125	Un/Shift	0.0313	Unit/M	1,752.51	1,000.00			2,752.51
=====> Item Totals: 90000000 - INDIRECT COSTS										
\$2,323,555.96	416.0000 MH/LS	416.00	MH	[12424.21]	1,268,676	908,518	146,362			2,323,556
2,323,555.960	1 LS				1,268,676.36	908,517.60	146,362.00			2,323,555.96
\$27,842,059.34 *** Report Totals ***					73,208.89	MH	6,753,361	13,169,051	4,693,106	2,013,508 1,213,034 27,842,059

>>> **indicates Non Additive Activity**

-----Report Notes:-----

The estimate was prepared with TAKEOFF Quantities.

This report shows TAKEOFF Quantities with the resources.

"Unreviewed" Activities are marked.

Bid Date: 09/04/09 Owner: Engineering Firm:

Estimator-In-Charge: AMR

JOB NOTES

Updated with Carpenter, operators, piledriver, laborer, cement masons, teamsters and dredgemen rates thru June 2008.

*****Estimate created on: 12/17/2008 by User#: 0 - Alex M. Rodriguez, P.E.

Source used: E:\08-011-95%D.zip (a backup) from 12/08/2008 2:45:02 PM

*****Estimate created on: 08/13/2009 by User#: 0 - Alex M. Rodriguez, P.E.

Source used: C:\HEAVYBID\HBSAVE\08-011-95%D.zip (a backup) from 08/13/2009 2:21:31 PM

COST REPORT

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/ExOwnershi	Equipme Operatio	Sub- Contract	Total
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BID ITEM = 90000000 Land Item SCHEDULE: 1 100
Description = INDIRECT COSTS Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

*****Estimate created on: 09/01/2009 by User#: 0 - Alex M. Rodriguez, P.E.
Source used: C:\HEAVYBID\HBSAVE\09-016-95%.zip (a backup) from 09/01/2009 11:20:55 AM

* on units of MH indicate average labor unit cost was used rather than base rate.

[] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens

In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%

-----Calendar Codes-----

Calendars are found in crew and labor codes and have the format XXXdY where
XXX = The Calendar and Y = The Starting Day of the Week with Day 1 = Monday, etc.

010 5 - 8hr/sh; 2 shift
508 5 Days/wk x 8hrs/sh
510 5 Days/wk x 10hr/sh
512 5 Days/wk x 12hr/sh
608 6 Days/wk x 8hrs/sh
610 6 Days/wk x 10hrs/sh
612 6 Days/wk x 12hrs/sh
708 7 Days/wk x 8hrs/sh
710 7 Days/wk x 10hr/sh
712 7 Days/wk x 12hr/sh

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
8BAD01		Paula Lee Derrick - Dutra										
1200	2750030	ASSEMBLE & INSTALL GATES ON BARGE	100.00	HR	1.00	100	100			85,227	21,148	106,375
2070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100			6,801	1,688	8,489
2070	3842	DREDGE - CRANE-BUCKET	26.20	HR	1.00	100	100			22,330	5,541	27,870
2070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100			29,830	7,402	37,231
2070	3868	UNLOAD DREDGED MATERIAL	83.97	HR	1.00	100	100			71,565	17,758	89,323
2070	3890	DRAG DREDGED AREA	5.00	HR	1.00	100	100			4,261	1,057	5,319
2080	2650040	PLACE BEDDING MATERIAL	15.20	HR	1.00	100	100			12,955	3,215	16,169
2080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100			4,261	1,057	5,319
2090	2650040	PLACE ROCK MATERIAL	28.20	HR	1.00	100	100			24,034	5,964	29,998
2100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100			68,182	16,918	85,100
2100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100			17,045	4,230	21,275
2100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100			8,523	2,115	10,638
2100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100			12,784	3,172	15,956
3020	2750030	ASSEMBLE & INSTALL GATES ON BARGE	100.00	HR	1.00	100	100			85,227	21,148	106,375
4070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100			6,801	1,688	8,489
4070	3842	DREDGE - CRANE-BUCKET	26.50	HR	1.00	100	100			22,585	5,604	28,189
4070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100			29,830	7,402	37,231
4070	3868	UNLOAD DREDGED MATERIAL	81.08	HR	1.00	100	100			69,102	17,147	86,249
4070	3890	DRAG DREDGED AREA	4.04	HR	1.00	100	100			3,443	854	4,298
4080	2650040	PLACE BEDDING MATERIAL	51.40	HR	1.00	100	100			43,807	10,870	54,677
4080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100			4,261	1,057	5,319
4090	2650040	PLACE ROCK MATERIAL	50.80	HR	1.00	100	100			43,295	10,743	54,039
4100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100			68,182	16,918	85,100
4100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100			17,045	4,230	21,275
4100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100			8,523	2,115	10,638
4100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100			12,784	3,172	15,956
4120	7900040	PLACE MAT'LS ON BERM	20.80	HR	1.00	100	100			17,727	4,399	22,126
*** 8BAD01		Paula Lee Derrick - Dutra	939.15							800,412	198,611	999,024
8BAD04		Crane Barge w/200tn Crawler										
2010	10001	MOB/DEMOB AT YARD	80.00	HR	1.00	100	100			36,000	5,840	41,840
2010	10008	MOB/DEMOB AT JOBSITE	40.00	HR	1.00	100	100			18,000	2,920	20,920
2020	215030	RIG MOVES	8.00	HR	1.00	100	100			3,600	584	4,184
2020	215035	RIG UP & DOWN	8.00	HR	1.00	100	100			3,600	584	4,184
2020	215045	DRIVE TEMPORARY PILE	16.00	HR	1.00	100	100			7,200	1,168	8,368
2020	215050	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			7,200	1,168	8,368
2020	215055	DRIVE WATER SHEETPILE	73.50	HR	1.00	100	100			33,075	5,366	38,441
2020	215060	REMOVE TEMPORARY PIPE PILE	16.00	HR	1.00	100	100			7,200	1,168	8,368
2020	220045	RIG UP & DOWN	0.67	HR	1.00	100	100			302	49	350
2020	220050	DRIVE KING PIPE PILE	30.00	HR	1.00	100	100			13,500	2,190	15,690
2020	225050	RIG MOVES	1.00	HR	1.00	100	100			450	73	523
2020	225060	INSTALL PILE COLLARS & TIE-RODS	42.00	HR	1.00	100	100			18,900	3,066	21,966
2020	225070	INSTALL WALER	77.33	HR	1.00	100	100			34,799	5,645	40,444
2030	71552	RIG MOVES	8.00	HR	1.00	100	100			3,600	584	4,184
2030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			3,600	584	4,184
2030	71556	DRIVE TEMPORARY PILE	8.00	HR	1.00	100	100			3,600	584	4,184
2030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			2,700	438	3,138
2030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			10,125	1,643	11,768
2030	71587	REMOVE TEMPORARY PIPE PILE	8.00	HR	1.00	100	100			3,600	584	4,184
2040	71552	RIG MOVES	16.00	HR	1.00	100	100			7,200	1,168	8,368

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
2040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			1,800	292	2,092
2040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			6,300	1,022	7,322
2040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			5,850	949	6,799
2040	71571	DRIVE WATER SHEETPILE	90.67	HR	1.00	100	100			40,802	6,619	47,420
2040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			6,300	1,022	7,322
2050	235025	RIG UP & DOWN	2.00	HR	1.00	100	100			900	146	1,046
2050	235035	DRIVE TEMPORARY PILE	12.00	HR	1.00	100	100			5,400	876	6,276
2050	235040	HANDLE/PLACE TEMPLATE	8.00	HR	1.00	100	100			3,600	584	4,184
2050	235045	REMOVE TEMPLATE	4.00	HR	1.00	100	100			1,800	292	2,092
2050	235050	REMOVE TEMPORARY PILE	6.00	HR	1.00	100	100			2,700	438	3,138
2050	235055	DRIVE STEEL PIPE PILE	64.50	HR	1.00	100	100			29,025	4,709	33,734
2050	242040	PLACE PREFABBED CAP BEAMS	9.50	HR	1.00	100	100			4,275	694	4,969
2050	242050	PLACE LONGITUDINAL HSS BEAMS	15.00	HR	1.00	100	100			6,750	1,095	7,845
2050	245080	SET PC PLANKS	24.67	HR	1.00	100	100			11,102	1,801	12,902
2050	245090	SECURE PLANKS - SET TIMBERS	14.60	HR	1.00	100	100			6,570	1,066	7,636
2050	245095	FURN & INSTALL CONC BARRIER	2.35	HR	1.00	100	100			1,058	172	1,229
2050	2550020	UNLOAD AT JOBSITE	5.00	HR	1.00	100	100			2,250	365	2,615
2050	2550030	ASSEMBLE AT JOBSITE	10.00	HR	1.00	100	100			4,500	730	5,230
2050	2550040	INSTALL BOARDING FLOAT	20.00	HR	1.00	100	100			9,000	1,460	10,460
2060	2500020	UNLOAD STEEL CATWALK	10.00	HR	1.00	100	100			4,500	730	5,230
2060	2500030	INSTALL STEEL CATWALK	60.30	HR	1.00	100	100			27,135	4,402	31,537
2110	71352	RIG MOVES	3.00	HR	1.00	100	100			1,350	219	1,569
2110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			2,700	438	3,138
2120	2110010	FURNISH & INSTALL SECURITY GATES	4.00	HR	1.00	100	100			1,800	292	2,092
2130	2120050	FURNISH & INSTALL BUOYS	6.00	HR	1.00	100	100			2,700	438	3,138
4010	10001	MOB/DEMOB AT YARD	80.00	HR	1.00	100	100			36,000	5,840	41,840
4010	10008	MOB/DEMOB AT JOBSITE	40.00	HR	1.00	100	100			18,000	2,920	20,920
4020	715030	RIG MOVES	8.00	HR	1.00	100	100			3,600	584	4,184
4020	715035	RIG UP & DOWN	8.00	HR	1.00	100	100			3,600	584	4,184
4020	715045	DRIVE TEMPORARY PILE	11.00	HR	1.00	100	100			4,950	803	5,753
4020	715050	HANDLE/PLACE TEMPLATE	10.00	HR	1.00	100	100			4,500	730	5,230
4020	715055	DRIVE WATER SHEETPILE	26.50	HR	1.00	100	100			11,925	1,935	13,860
4020	715060	REMOVE TEMPORARY PIPE PILE	11.00	HR	1.00	100	100			4,950	803	5,753
4020	720045	RIG UP & DOWN	0.67	HR	1.00	100	100			302	49	350
4020	720050	DRIVE WATER PIPE PILE	12.00	HR	1.00	100	100			5,400	876	6,276
4020	725050	RIG MOVES	1.00	HR	1.00	100	100			450	73	523
4020	725060	INSTALL PILE COLLARS & TIE-RODS	24.00	HR	1.00	100	100			10,800	1,752	12,552
4020	725070	INSTALL WALER	52.53	HR	1.00	100	100			23,639	3,835	27,473
4030	71552	RIG MOVES	8.00	HR	1.00	100	100			3,600	584	4,184
4030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			3,600	584	4,184
4030	71556	DRIVE TEMPORARY PILE	7.00	HR	1.00	100	100			3,150	511	3,661
4030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			2,700	438	3,138
4030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			10,125	1,643	11,768
4030	71587	REMOVE TEMPORARY PIPE PILE	7.00	HR	1.00	100	100			3,150	511	3,661
4040	71552	RIG MOVES	16.00	HR	1.00	100	100			7,200	1,168	8,368
4040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			1,800	292	2,092
4040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			6,300	1,022	7,322
4040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			5,850	949	6,799
4040	71571	DRIVE WATER SHEETPILE	84.00	HR	1.00	100	100			37,800	6,132	43,932
4040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			6,300	1,022	7,322
4050	735025	RIG UP & DOWN	2.00	HR	1.00	100	100			900	146	1,046

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4050	735035	DRIVE TEMPORARY PILE	18.00	HR	1.00	100	100			8,100	1,314	9,414
4050	735040	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			7,200	1,168	8,368
4050	735045	REMOVE TEMPLATE	8.00	HR	1.00	100	100			3,600	584	4,184
4050	735050	REMOVE TEMPORARY PILE	9.00	HR	1.00	100	100			4,050	657	4,707
4050	735055	DRIVE STEEL PIPE PILE	73.50	HR	1.00	100	100			33,075	5,366	38,441
4050	742040	PLACE PREFABBED CAP BEAM	10.00	HR	1.00	100	100			4,500	730	5,230
4050	742050	PLACE LONGITUDINAL HSS BEAMS	17.00	HR	1.00	100	100			7,650	1,241	8,891
4050	745080	SET PC PLANKS	27.00	HR	1.00	100	100			12,150	1,971	14,121
4050	745090	SECURE PLANKS - SET TIMBERS	17.13	HR	1.00	100	100			7,709	1,250	8,959
4050	745095	FURN & INSTALL CONC BARRIER		HR	1.00	100	100					
4050	7550020	UNLOAD AT JOBSITE	5.00	HR	1.00	100	100			2,250	365	2,615
4050	7550030	ASSEMBLE AT JOBSITE	10.00	HR	1.00	100	100			4,500	730	5,230
4050	7550040	INSTALL BOARDING FLOAT	20.00	HR	1.00	100	100			9,000	1,460	10,460
4060	2500020	UNLOAD STEEL CATWALK	10.00	HR	1.00	100	100			4,500	730	5,230
4060	2500030	INSTALL STEEL CATWALK	25.50	HR	1.00	100	100			11,475	1,862	13,337
4110	71352	RIG MOVES	3.00	HR	1.00	100	100			1,350	219	1,569
4110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			2,700	438	3,138
4130	2110010	FURNISH & INSTALL SECURITY GATES	4.00	HR	1.00	100	100			1,800	292	2,092
4140	2120050	FURNISH & INSTALL BUOYS	6.00	HR	1.00	100	100			2,700	438	3,138
*** 8BAD04		Crane Barge w/200tn Crawler	1,682.92							757,314	122,853	880,167
8BAD14		Flat Barge - Dutra										
1200	2750030	ASSEMBLE & INSTALL GATES ON BARGE	100.00	HR	1.00	100	100			4,546	2,083	6,629
2070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100			363	166	529
2070	3842	DREDGE - CRANE-BUCKET	26.20	HR	1.00	100	100			1,191	546	1,737
2070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100			1,591	729	2,320
2070	3868	UNLOAD DREDGED MATERIAL	83.97	HR	1.00	100	100			3,817	1,749	5,566
2070	3890	DRAG DREDGED AREA	5.00	HR	1.00	100	100			227	104	331
2080	2650040	PLACE BEDDING MATERIAL	30.40	HR	2.00	100	100			1,382	633	2,015
2080	2650050	SCREED BEDDING MATERIAL	10.00	HR	2.00	100	100			455	208	663
2090	2650040	PLACE ROCK MATERIAL	56.40	HR	2.00	100	100			2,564	1,175	3,738
2100	2800005	FURNISH & INSTALL 500 TN PILE	160.00	HR	2.00	100	100			7,273	3,333	10,606
2100	2800010	SETUP TO POSITION BARGE & FLOOD	40.00	HR	2.00	100	100			1,818	833	2,651
2100	2800020	FLOOD BARGE	20.00	HR	2.00	100	100			909	417	1,326
2100	2800040	REMOVE TEMP PILE	30.00	HR	2.00	100	100			1,364	625	1,989
3020	2750030	ASSEMBLE & INSTALL GATES ON BARGE	100.00	HR	1.00	100	100			4,546	2,083	6,629
4070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100			363	166	529
4070	3842	DREDGE - CRANE-BUCKET	26.50	HR	1.00	100	100			1,205	552	1,757
4070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100			1,591	729	2,320
4070	3868	UNLOAD DREDGED MATERIAL	81.08	HR	1.00	100	100			3,685	1,689	5,374
4070	3890	DRAG DREDGED AREA	4.04	HR	1.00	100	100			184	84	268
4080	2650040	PLACE BEDDING MATERIAL	102.80	HR	2.00	100	100			4,673	2,141	6,814
4080	2650050	SCREED BEDDING MATERIAL	10.00	HR	2.00	100	100			455	208	663
4090	2650040	PLACE ROCK MATERIAL	101.60	HR	2.00	100	100			4,618	2,116	6,735
4100	2800005	FURNISH & INSTALL 500 TN PILE	160.00	HR	2.00	100	100			7,273	3,333	10,606
4100	2800010	SETUP TO POSITION BARGE & FLOOD	40.00	HR	2.00	100	100			1,818	833	2,651
4100	2800020	FLOOD BARGE	20.00	HR	2.00	100	100			909	417	1,326
4100	2800040	REMOVE TEMP PILE	30.00	HR	2.00	100	100			1,364	625	1,989
4120	7900040	PLACE MAT'LS ON BERM	41.60	HR	2.00	100	100			1,891	867	2,757
*** 8BAD14		Flat Barge - Dutra	1,365.55							62,071	28,444	90,516
8BAR10		Flat Barge - 1000tn										

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
2010	10001	MOB/DEMOB AT YARD	80.00	HR	1.00	100	100				6,818	6,818
2010	10008	MOB/DEMOB AT JOBSITE	40.00	HR	1.00	100	100				3,409	3,409
2020	215030	RIG MOVES	8.00	HR	1.00	100	100				682	682
2020	215035	RIG UP & DOWN	8.00	HR	1.00	100	100				682	682
2020	215045	DRIVE TEMPORARY PILE	16.00	HR	1.00	100	100				1,364	1,364
2020	215050	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100				1,364	1,364
2020	215055	DRIVE WATER SHEETPILE	73.50	HR	1.00	100	100				6,264	6,264
2020	215060	REMOVE TEMPORARY PIPE PILE	16.00	HR	1.00	100	100				1,364	1,364
2020	220045	RIG UP & DOWN	0.67	HR	1.00	100	100				57	57
2020	220050	DRIVE KING PIPE PILE	30.00	HR	1.00	100	100				2,557	2,557
2020	225050	RIG MOVES	1.00	HR	1.00	100	100				85	85
2020	225060	INSTALL PILE COLLARS & TIE-RODS	42.00	HR	1.00	100	100				3,580	3,580
2020	225070	INSTALL WALER	77.33	HR	1.00	100	100				6,591	6,591
2030	71552	RIG MOVES	8.00	HR	1.00	100	100				682	682
2030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100				682	682
2030	71556	DRIVE TEMPORARY PILE	8.00	HR	1.00	100	100				682	682
2030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100				511	511
2030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100				1,918	1,918
2030	71587	REMOVE TEMPORARY PIPE PILE	8.00	HR	1.00	100	100				682	682
2040	71552	RIG MOVES	16.00	HR	1.00	100	100				1,364	1,364
2040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100				341	341
2040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100				1,193	1,193
2040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100				1,108	1,108
2040	71571	DRIVE WATER SHEETPILE	90.67	HR	1.00	100	100				7,728	7,728
2040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100				1,193	1,193
2050	235025	RIG UP & DOWN	2.00	HR	1.00	100	100				170	170
2050	235035	DRIVE TEMPORARY PILE	12.00	HR	1.00	100	100				1,023	1,023
2050	235040	HANDLE/PLACE TEMPLATE	8.00	HR	1.00	100	100				682	682
2050	235045	REMOVE TEMPLATE	4.00	HR	1.00	100	100				341	341
2050	235050	REMOVE TEMPORARY PILE	6.00	HR	1.00	100	100				511	511
2050	235055	DRIVE STEEL PIPE PILE	64.50	HR	1.00	100	100				5,497	5,497
2050	242040	PLACE PREFABBED CAP BEAMS	9.50	HR	1.00	100	100				810	810
2050	242050	PLACE LONGITUDINAL HSS BEAMS	15.00	HR	1.00	100	100				1,278	1,278
2050	245080	SET PC PLANKS	24.67	HR	1.00	100	100				2,103	2,103
2050	245090	SECURE PLANKS - SET TIMBERS	14.60	HR	1.00	100	100				1,244	1,244
2050	245095	FURN & INSTALL CONC BARRIER	2.35	HR	1.00	100	100				200	200
2050	2550020	UNLOAD AT JOBSITE	5.00	HR	1.00	100	100				426	426
2050	2550030	ASSEMBLE AT JOBSITE	10.00	HR	1.00	100	100				852	852
2050	2550040	INSTALL BOARDING FLOAT	20.00	HR	1.00	100	100				1,705	1,705
2060	2500020	UNLOAD STEEL CATWALK	10.00	HR	1.00	100	100				852	852
2060	2500030	INSTALL STEEL CATWALK	60.30	HR	1.00	100	100				5,139	5,139
2110	71352	RIG MOVES	3.00	HR	1.00	100	100				256	256
2110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100				511	511
2120	2110010	FURNISH & INSTALL SECURITY GATES	4.00	HR	1.00	100	100				341	341
2130	2120050	FURNISH & INSTALL BUOYS	6.00	HR	1.00	100	100				511	511
4010	10001	MOB/DEMOB AT YARD	80.00	HR	1.00	100	100				6,818	6,818
4010	10008	MOB/DEMOB AT JOBSITE	40.00	HR	1.00	100	100				3,409	3,409
4020	715030	RIG MOVES	8.00	HR	1.00	100	100				682	682
4020	715035	RIG UP & DOWN	8.00	HR	1.00	100	100				682	682
4020	715045	DRIVE TEMPORARY PILE	11.00	HR	1.00	100	100				938	938
4020	715050	HANDLE/PLACE TEMPLATE	10.00	HR	1.00	100	100				852	852

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4020	715055	DRIVE WATER SHEETPILE	26.50	HR	1.00	100	100				2,259	2,259
4020	715060	REMOVE TEMPORARY PIPE PILE	11.00	HR	1.00	100	100				938	938
4020	720045	RIG UP & DOWN	0.67	HR	1.00	100	100				57	57
4020	720050	DRIVE WATER PIPE PILE	12.00	HR	1.00	100	100				1,023	1,023
4020	725050	RIG MOVES	1.00	HR	1.00	100	100				85	85
4020	725060	INSTALL PILE COLLARS & TIE-RODS	24.00	HR	1.00	100	100				2,045	2,045
4020	725070	INSTALL WALER	52.53	HR	1.00	100	100				4,477	4,477
4030	71552	RIG MOVES	8.00	HR	1.00	100	100				682	682
4030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100				682	682
4030	71556	DRIVE TEMPORARY PILE	7.00	HR	1.00	100	100				597	597
4030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100				511	511
4030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100				1,918	1,918
4030	71587	REMOVE TEMPORARY PIPE PILE	7.00	HR	1.00	100	100				597	597
4040	71552	RIG MOVES	16.00	HR	1.00	100	100				1,364	1,364
4040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100				341	341
4040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100				1,193	1,193
4040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100				1,108	1,108
4040	71571	DRIVE WATER SHEETPILE	84.00	HR	1.00	100	100				7,159	7,159
4040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100				1,193	1,193
4050	735025	RIG UP & DOWN	2.00	HR	1.00	100	100				170	170
4050	735035	DRIVE TEMPORARY PILE	18.00	HR	1.00	100	100				1,534	1,534
4050	735040	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100				1,364	1,364
4050	735045	REMOVE TEMPLATE	8.00	HR	1.00	100	100				682	682
4050	735050	REMOVE TEMPORARY PILE	9.00	HR	1.00	100	100				767	767
4050	735055	DRIVE STEEL PIPE PILE	73.50	HR	1.00	100	100				6,264	6,264
4050	742040	PLACE PREFABBED CAP BEAM	10.00	HR	1.00	100	100				852	852
4050	742050	PLACE LONGITUDINAL HSS BEAMS	17.00	HR	1.00	100	100				1,449	1,449
4050	745080	SET PC PLANKS	27.00	HR	1.00	100	100				2,301	2,301
4050	745090	SECURE PLANKS - SET TIMBERS	17.13	HR	1.00	100	100				1,460	1,460
4050	745095	FURN & INSTALL CONC BARRIER		HR	1.00	100	100					
4050	7550020	UNLOAD AT JOBSITE	5.00	HR	1.00	100	100				426	426
4050	7550030	ASSEMBLE AT JOBSITE	10.00	HR	1.00	100	100				852	852
4050	7550040	INSTALL BOARDING FLOAT	20.00	HR	1.00	100	100				1,705	1,705
4060	2500020	UNLOAD STEEL CATWALK	10.00	HR	1.00	100	100				852	852
4060	2500030	INSTALL STEEL CATWALK	25.50	HR	1.00	100	100				2,173	2,173
4110	71352	RIG MOVES	3.00	HR	1.00	100	100				256	256
4110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100				511	511
4130	2110010	FURNISH & INSTALL SECURITY GATES	4.00	HR	1.00	100	100				341	341
4140	2120050	FURNISH & INSTALL BUOYS	6.00	HR	1.00	100	100				511	511
*** 8BAR10		Flat Barge - 1000tn	1,682.92								143,430	143,430
8BH007		Backhoe/FEL .75CY										
2050	245097	FURN & PLACE CLASS II FILL	2.00	HR	1.00	100	100				70	70
2140	2130050	EXCAV & BACKFILL ELEC TRENCH	20.00	HR	1.00	100	100				701	701
4050	745097	FURN & PLACE CLASS II FILL	5.00	HR	1.00	100	100				175	175
4150	2130050	EXCAV & BACKFILL ELEC TRENCH	20.00	HR	1.00	100	100				701	701
*** 8BH007		Backhoe/FEL .75CY	47.00								1,648	1,648
8BOD02		Crewboat "Joey" - Dutra										
2020	215030	RIG MOVES	8.00	HR	1.00	100	100			227	301	528
2020	215035	RIG UP & DOWN	8.00	HR	1.00	100	100			227	301	528
2020	215045	DRIVE TEMPORARY PILE	16.00	HR	1.00	100	100			455	602	1,056

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
2020	215050	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			455	602	1,056
2020	215055	DRIVE WATER SHEETPILE	73.50	HR	1.00	100	100			2,088	2,764	4,852
2020	215060	REMOVE TEMPORARY PIPE PILE	16.00	HR	1.00	100	100			455	602	1,056
2020	220045	RIG UP & DOWN	0.67	HR	1.00	100	100			19	25	44
2020	220050	DRIVE KING PIPE PILE	30.00	HR	1.00	100	100			852	1,128	1,980
2030	71552	RIG MOVES	8.00	HR	1.00	100	100			227	301	528
2030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			227	301	528
2030	71556	DRIVE TEMPORARY PILE	8.00	HR	1.00	100	100			227	301	528
2030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			170	226	396
2030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			639	846	1,485
2030	71587	REMOVE TEMPORARY PIPE PILE	8.00	HR	1.00	100	100			227	301	528
2040	71552	RIG MOVES	16.00	HR	1.00	100	100			455	602	1,056
2040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			114	150	264
2040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			398	526	924
2040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			369	489	858
2040	71571	DRIVE WATER SHEETPILE	90.67	HR	1.00	100	100			2,576	3,409	5,985
2040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			398	526	924
2050	235025	RIG UP & DOWN	2.00	HR	1.00	100	100			57	75	132
2050	235035	DRIVE TEMPORARY PILE	12.00	HR	1.00	100	100			341	451	792
2050	235040	HANDLE/PLACE TEMPLATE	8.00	HR	1.00	100	100			227	301	528
2050	235045	REMOVE TEMPLATE	4.00	HR	1.00	100	100			114	150	264
2050	235050	REMOVE TEMPORARY PILE	6.00	HR	1.00	100	100			170	226	396
2050	235055	DRIVE STEEL PIPE PILE	64.50	HR	1.00	100	100			1,832	2,425	4,258
2110	71352	RIG MOVES	3.00	HR	1.00	100	100			85	113	198
2110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			170	226	396
4020	715030	RIG MOVES	8.00	HR	1.00	100	100			227	301	528
4020	715035	RIG UP & DOWN	8.00	HR	1.00	100	100			227	301	528
4020	715045	DRIVE TEMPORARY PILE	11.00	HR	1.00	100	100			313	414	726
4020	715050	HANDLE/PLACE TEMPLATE	10.00	HR	1.00	100	100			284	376	660
4020	715055	DRIVE WATER SHEETPILE	26.50	HR	1.00	100	100			753	996	1,749
4020	715060	REMOVE TEMPORARY PIPE PILE	11.00	HR	1.00	100	100			313	414	726
4020	720045	RIG UP & DOWN	0.67	HR	1.00	100	100			19	25	44
4020	720050	DRIVE WATER PIPE PILE	12.00	HR	1.00	100	100			341	451	792
4030	71552	RIG MOVES	8.00	HR	1.00	100	100			227	301	528
4030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			227	301	528
4030	71556	DRIVE TEMPORARY PILE	7.00	HR	1.00	100	100			199	263	462
4030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			170	226	396
4030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			639	846	1,485
4030	71587	REMOVE TEMPORARY PIPE PILE	7.00	HR	1.00	100	100			199	263	462
4040	71552	RIG MOVES	16.00	HR	1.00	100	100			455	602	1,056
4040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			114	150	264
4040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			398	526	924
4040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			369	489	858
4040	71571	DRIVE WATER SHEETPILE	84.00	HR	1.00	100	100			2,386	3,158	5,545
4040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			398	526	924
4050	735025	RIG UP & DOWN	2.00	HR	1.00	100	100			57	75	132
4050	735035	DRIVE TEMPORARY PILE	18.00	HR	1.00	100	100			511	677	1,188
4050	735040	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			455	602	1,056
4050	735045	REMOVE TEMPLATE	8.00	HR	1.00	100	100			227	301	528
4050	735050	REMOVE TEMPORARY PILE	9.00	HR	1.00	100	100			256	338	594
4050	735055	DRIVE STEEL PIPE PILE	73.50	HR	1.00	100	100			2,088	2,764	4,852

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4110	71352	RIG MOVES	3.00	HR	1.00	100	100			85	113	198
4110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			170	226	396
*** 8BOD02		Crewboat "Joey" - Dutra	912.01							25,909	34,292	60,201
8BOT14		Boom Truck-14tn										
90000000	W080700055	Miscellaneous Equipment	3,600.00	HR		100	100			51,138	48,888	100,026
*** 8BOT14		Boom Truck-14tn	3,600.00							51,138	48,888	100,026
8BUC06		Bucket-Clam Mtl HD 5CY										
2070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100				160	160
2070	3842	DREDGE - CRANE-BUCKET	26.20	HR	1.00	100	100				524	524
2070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100				700	700
2070	3868	UNLOAD DREDGED MATERIAL	83.97	HR	1.00	100	100				1,680	1,680
2070	3890	DRAG DREDGED AREA	5.00	HR	1.00	100	100				100	100
4070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100				160	160
4070	3842	DREDGE - CRANE-BUCKET	26.50	HR	1.00	100	100				530	530
4070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100				700	700
4070	3868	UNLOAD DREDGED MATERIAL	81.08	HR	1.00	100	100				1,622	1,622
4070	3890	DRAG DREDGED AREA	4.04	HR	1.00	100	100				81	81
*** 8BUC06		Bucket-Clam Mtl HD 5CY	312.75								6,257	6,257
8CO150		Compressor 150 CFM										
2050	240010	BUILD WOOD FORMS-WALLS	7.63	HR	1.00	100	100			35	89	123
2130	2120010	FURNISH & INSTALL SIGNS	22.00	HR	1.00	100	100			100	256	356
2130	2120030	FURNISH & INSTALL NAVIGATION LIGHT	2.00	HR	1.00	100	100			9	23	32
2130	2120040	FURN & INSTALL FLASHING BARRIER LIT	8.00	HR	1.00	100	100			36	93	129
4050	740010	BUILD WOOD FORMS-WALLS	6.75	HR	1.00	100	100			31	78	109
4140	2120010	FURNISH & INSTALL SIGNS	22.00	HR	1.00	100	100			100	256	356
4140	2120030	FURNISH & INSTALL NAVIGATION LIGHT	2.00	HR	1.00	100	100			9	23	32
4140	2120040	FURN & INSTALL FLASHING BARRIER LIT	8.00	HR	1.00	100	100			36	93	129
90000000	W080700055	Miscellaneous Equipment	3,600.00	HR		100	100			16,362	41,832	58,194
*** 8CO150		Compressor 150 CFM	3,678.38							16,718	42,743	59,461
8CO185		Compressor 185 CFM										
1200	2750005	FURNISH AND FABRICATE GATES	4,633.14	HR	5.00	100	100			43,227		43,227
3020	2750005	FURNISH AND FABRICATE GATES	3,814.73	HR	5.00	100	100			35,591		35,591
*** 8CO185		Compressor 185 CFM	8,447.87							78,819		78,819
8CO250		Compressor 250 CFM										
1200	2750030	ASSEMBLE & INSTALL GATES ON BARGE	200.00	HR	2.00	100	100			1,136	2,940	4,076
2010	10001	MOB/DEMOB AT YARD	80.00	HR	1.00	100	100			455	1,176	1,631
2010	10008	MOB/DEMOB AT JOBSITE	40.00	HR	1.00	100	100			227	588	815
2020	215030	RIG MOVES	8.00	HR	1.00	100	100			45	118	163
2020	215035	RIG UP & DOWN	8.00	HR	1.00	100	100			45	118	163
2020	215045	DRIVE TEMPORARY PILE	16.00	HR	1.00	100	100			91	235	326
2020	215050	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			91	235	326
2020	215055	DRIVE WATER SHEETPILE	73.50	HR	1.00	100	100			418	1,080	1,498
2020	215060	REMOVE TEMPORARY PIPE PILE	16.00	HR	1.00	100	100			91	235	326
2020	220045	RIG UP & DOWN	0.67	HR	1.00	100	100			4	10	14
2020	220050	DRIVE KING PIPE PILE	30.00	HR	1.00	100	100			170	441	611
2020	225050	RIG MOVES	1.00	HR	1.00	100	100			6	15	20
2020	225060	INSTALL PILE COLLARS & TIE-RODS	42.00	HR	1.00	100	100			239	617	856
2020	225070	INSTALL WALER	77.33	HR	1.00	100	100			439	1,137	1,576
2030	71552	RIG MOVES	8.00	HR	1.00	100	100			45	118	163
2030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			45	118	163

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
2030	71556	DRIVE TEMPORARY PILE	8.00	HR	1.00	100	100			45	118	163
2030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			34	88	122
2030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			128	331	459
2030	71587	REMOVE TEMPORARY PIPE PILE	8.00	HR	1.00	100	100			45	118	163
2040	71552	RIG MOVES	16.00	HR	1.00	100	100			91	235	326
2040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			23	59	82
2040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			80	206	285
2040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			74	191	265
2040	71571	DRIVE WATER SHEETPILE	90.67	HR	1.00	100	100			515	1,333	1,848
2040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			80	206	285
2050	235025	RIG UP & DOWN	2.00	HR	1.00	100	100			11	29	41
2050	235035	DRIVE TEMPORARY PILE	12.00	HR	1.00	100	100			68	176	245
2050	235040	HANDLE/PLACE TEMPLATE	8.00	HR	1.00	100	100			45	118	163
2050	235045	REMOVE TEMPLATE	4.00	HR	1.00	100	100			23	59	82
2050	235050	REMOVE TEMPORARY PILE	6.00	HR	1.00	100	100			34	88	122
2050	235055	DRIVE STEEL PIPE PILE	64.50	HR	1.00	100	100			366	948	1,315
2050	242040	PLACE PREFABBED CAP BEAMS	9.50	HR	1.00	100	100			54	140	194
2050	242050	PLACE LONGITUDINAL HSS BEAMS	15.00	HR	1.00	100	100			85	221	306
2050	245080	SET PC PLANKS	24.67	HR	1.00	100	100			140	363	503
2050	245090	SECURE PLANKS - SET TIMBERS	14.60	HR	1.00	100	100			83	215	298
2050	245095	FURN & INSTALL CONC BARRIER	2.35	HR	1.00	100	100			13	35	48
2050	2550020	UNLOAD AT JOBSITE	5.00	HR	1.00	100	100			28	74	102
2050	2550030	ASSEMBLE AT JOBSITE	10.00	HR	1.00	100	100			57	147	204
2050	2550040	INSTALL BOARDING FLOAT	20.00	HR	1.00	100	100			114	294	408
2060	2500020	UNLOAD STEEL CATWALK	10.00	HR	1.00	100	100			57	147	204
2060	2500030	INSTALL STEEL CATWALK	60.30	HR	1.00	100	100			343	886	1,229
2080	2650040	PLACE BEDDING MATERIAL	15.20	HR	1.00	100	100			86	223	310
2080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100			28	74	102
2090	2650040	PLACE ROCK MATERIAL	28.20	HR	1.00	100	100			160	415	575
2100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100			455	1,176	1,631
2100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100			114	294	408
2100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100			57	147	204
2100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100			85	221	306
2110	71352	RIG MOVES	3.00	HR	1.00	100	100			17	44	61
2110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			34	88	122
2120	2110010	FURNISH & INSTALL SECURITY GATES	4.00	HR	1.00	100	100			23	59	82
2130	2120050	FURNISH & INSTALL BUOYS	6.00	HR	1.00	100	100			34	88	122
3020	2750030	ASSEMBLE & INSTALL GATES ON BARGE	200.00	HR	2.00	100	100			1,136	2,940	4,076
4010	10001	MOB/DEMOB AT YARD	80.00	HR	1.00	100	100			455	1,176	1,631
4010	10008	MOB/DEMOB AT JOBSITE	40.00	HR	1.00	100	100			227	588	815
4020	715030	RIG MOVES	8.00	HR	1.00	100	100			45	118	163
4020	715035	RIG UP & DOWN	8.00	HR	1.00	100	100			45	118	163
4020	715045	DRIVE TEMPORARY PILE	11.00	HR	1.00	100	100			63	162	224
4020	715050	HANDLE/PLACE TEMPLATE	10.00	HR	1.00	100	100			57	147	204
4020	715055	DRIVE WATER SHEETPILE	26.50	HR	1.00	100	100			151	390	540
4020	715060	REMOVE TEMPORARY PIPE PILE	11.00	HR	1.00	100	100			63	162	224
4020	720045	RIG UP & DOWN	0.67	HR	1.00	100	100			4	10	14
4020	720050	DRIVE WATER PIPE PILE	12.00	HR	1.00	100	100			68	176	245
4020	725050	RIG MOVES	1.00	HR	1.00	100	100			6	15	20
4020	725060	INSTALL PILE COLLARS & TIE-RODS	24.00	HR	1.00	100	100			136	353	489
4020	725070	INSTALL WALER	52.53	HR	1.00	100	100			298	772	1,071

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4030	71552	RIG MOVES	8.00	HR	1.00	100	100			45	118	163
4030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			45	118	163
4030	71556	DRIVE TEMPORARY PILE	7.00	HR	1.00	100	100			40	103	143
4030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			34	88	122
4030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			128	331	459
4030	71587	REMOVE TEMPORARY PIPE PILE	7.00	HR	1.00	100	100			40	103	143
4040	71552	RIG MOVES	16.00	HR	1.00	100	100			91	235	326
4040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			23	59	82
4040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			80	206	285
4040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			74	191	265
4040	71571	DRIVE WATER SHEETPILE	84.00	HR	1.00	100	100			477	1,235	1,712
4040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			80	206	285
4050	735025	RIG UP & DOWN	2.00	HR	1.00	100	100			11	29	41
4050	735035	DRIVE TEMPORARY PILE	18.00	HR	1.00	100	100			102	265	367
4050	735040	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			91	235	326
4050	735045	REMOVE TEMPLATE	8.00	HR	1.00	100	100			45	118	163
4050	735050	REMOVE TEMPORARY PILE	9.00	HR	1.00	100	100			51	132	183
4050	735055	DRIVE STEEL PIPE PILE	73.50	HR	1.00	100	100			418	1,080	1,498
4050	742040	PLACE PREFABBED CAP BEAM	10.00	HR	1.00	100	100			57	147	204
4050	742050	PLACE LONGITUDINAL HSS BEAMS	17.00	HR	1.00	100	100			97	250	346
4050	745080	SET PC PLANKS	27.00	HR	1.00	100	100			153	397	550
4050	745090	SECURE PLANKS - SET TIMBERS	17.13	HR	1.00	100	100			97	252	349
4050	745095	FURN & INSTALL CONC BARRIER		HR	1.00	100	100					
4050	7550020	UNLOAD AT JOBSITE	5.00	HR	1.00	100	100			28	74	102
4050	7550030	ASSEMBLE AT JOBSITE	10.00	HR	1.00	100	100			57	147	204
4050	7550040	INSTALL BOARDING FLOAT	20.00	HR	1.00	100	100			114	294	408
4060	2500020	UNLOAD STEEL CATWALK	10.00	HR	1.00	100	100			57	147	204
4060	2500030	INSTALL STEEL CATWALK	25.50	HR	1.00	100	100			145	375	520
4080	2650040	PLACE BEDDING MATERIAL	51.40	HR	1.00	100	100			292	756	1,048
4080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100			28	74	102
4090	2650040	PLACE ROCK MATERIAL	50.80	HR	1.00	100	100			289	747	1,035
4100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100			455	1,176	1,631
4100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100			114	294	408
4100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100			57	147	204
4100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100			85	221	306
4110	71352	RIG MOVES	3.00	HR	1.00	100	100			17	44	61
4110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			34	88	122
4120	7900040	PLACE MAT'LS ON BERM	20.80	HR	1.00	100	100			118	306	424
4130	2110010	FURNISH & INSTALL SECURITY GATES	4.00	HR	1.00	100	100			23	59	82
4140	2120050	FURNISH & INSTALL BUOYS	6.00	HR	1.00	100	100			34	88	122
*** 8CO250		Compressor 250 CFM	2,509.32							14,258	36,887	51,145
8COH19		Compressor 190 CFM										
1100	1100020	PREP BARGE	450.00	HR	3.00	100	100			2,250	4,298	6,548
1100	1100030	INSTALL SPUD WELLS & MODIFY BARGE	750.00	HR	3.00	100	100			3,750	7,163	10,913
3010	1100020	PREP BARGE	450.00	HR	3.00	100	100			2,250	4,298	6,548
3010	1100030	INSTALL SPUD WELLS & MODIFY BARGE	750.00	HR	3.00	100	100			3,750	7,163	10,913
*** 8COH19		Compressor 190 CFM	2,400.00							12,000	22,920	34,920
8COM10		Walk-Behind Roller (BOMAG)										
2050	245097	FURN & PLACE CLASS II FILL	2.00	HR	1.00	100	100				33	33
4050	745097	FURN & PLACE CLASS II FILL	5.00	HR	1.00	100	100				83	83

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
*** 8COM10		Walk-Behind Roller (BOMAG)	7.00								116	116
8COM20		Tndm Roller, 2.5tn (BOMAG)										
2070	3855	BUILD TRUCK RAMPS	31.11	HR	1.00	100	100				674	674
4070	3855	BUILD TRUCK RAMPS	31.11	HR	1.00	100	100				674	674
*** 8COM20		Tndm Roller, 2.5tn (BOMAG)	62.22								1,348	1,348
8COM30		Single Vib Roller, (BOMAG)										
4120	7900060	FINE GRADE AND COMPACT	43.70	HR	1.00	100	100				843	843
*** 8COM30		Single Vib Roller, (BOMAG)	43.70								843	843
8CP050		Conc Pump 50cy/hr										
2050	240035	PLACE CONC-SLABS-PUMP	5.00	HR	1.00	100	100				550	550
4050	740035	PLACE CONC-SLABS-PUMP	5.00	HR	1.00	100	100				550	550
*** 8CP050		Conc Pump 50cy/hr	10.00								1,100	1,100
8CRC10		Crane Crawler-100tn										
1100	1100020	PREP BARGE	150.00	HR	1.00	100	100				12,907	12,907
1100	1100030	INSTALL SPUD WELLS & MODIFY BARGE	250.00	HR	1.00	100	100				21,511	21,511
1100	1100080	FURNISH & INSTALL BALLAST		HR	1.00	100	100					
1200	2750005	FURNISH AND FABRICATE GATES	926.63	HR	1.00	100	100				79,731	79,731
1200	2750020	UNLOAD MATERIALS	30.00	HR	1.00	100	100				2,581	2,581
1200	2750040	INSTALL OPERATOR HOUSE	20.00	HR	1.00	100	100				1,721	1,721
1300	1200010	MOBILIZE BARGE W/GATE	20.00	HR	1.00	100	100				1,721	1,721
2020	215020	UNLOAD & LOAD SHEET PILE	20.19	HR	1.00	100	100				1,737	1,737
2020	220020	UNLOAD PIPE PILE AT YARD	16.90	HR	1.00	100	100				1,454	1,454
2020	220035	LOAD PIPE PILE ON BARGE	7.50	HR	1.00	100	100				645	645
2020	225030	UNLOAD/LOAD WALER MATERIAL	3.22	HR	1.00	100	100				277	277
2030	71534	UNLOAD & LOAD SHEET PILE	5.90	HR	1.00	100	100				508	508
2040	71534	UNLOAD & LOAD SHEET PILE	25.63	HR	1.00	100	100				2,205	2,205
2050	235010	UNLOAD PIPE PILE AT YARD	5.11	HR	1.00	100	100				440	440
2050	242030	UNLOAD & LOAD MA'LS ON BARGE	3.22	HR	1.00	100	100				277	277
2050	245040	UNLOAD & LOAD PILES ON BARGE	18.50	HR	1.00	100	100				1,592	1,592
2110	71340	UNLOAD PIPE PILE AT YARD	3.40	HR	1.00	100	100				293	293
2110	71349	LOAD PIPE PILE ON BARGE	1.50	HR	1.00	100	100				129	129
3010	1100020	PREP BARGE	150.00	HR	1.00	100	100				12,907	12,907
3010	1100030	INSTALL SPUD WELLS & MODIFY BARGE	250.00	HR	1.00	100	100				21,511	21,511
3010	1100080	FURNISH & INSTALL BALLAST	20.00	HR	1.00	100	100				1,721	1,721
3020	2750005	FURNISH AND FABRICATE GATES	762.95	HR	1.00	100	100				65,647	65,647
3020	2750020	UNLOAD MATERIALS	30.00	HR	1.00	100	100				2,581	2,581
3020	2750040	INSTALL OPERATOR HOUSE	20.00	HR	1.00	100	100				1,721	1,721
3030	1200010	MOBILIZE BARGE W/GATE	20.00	HR	1.00	100	100				1,721	1,721
4020	715020	UNLOAD & LOAD SHEET PILE	6.94	HR	1.00	100	100				597	597
4020	720020	UNLOAD PIPE PILE AT YARD	6.75	HR	1.00	100	100				581	581
4020	720035	LOAD PIPE PILE ON BARGE	3.00	HR	1.00	100	100				258	258
4020	725030	UNLOAD/LOAD WALER MATERIAL	1.31	HR	1.00	100	100				113	113
4030	71534	UNLOAD & LOAD SHEET PILE	5.90	HR	1.00	100	100				508	508
4040	71534	UNLOAD & LOAD SHEET PILE	23.28	HR	1.00	100	100				2,003	2,003
4050	735010	UNLOAD PIPE PILE AT YARD	5.85	HR	1.00	100	100				503	503
4050	742030	UNLOAD & LOAD MAT'LS ON BARGE	3.56	HR	1.00	100	100				306	306
4050	745040	UNLOAD & LOAD PILES ON BARGE	20.25	HR	1.00	100	100				1,742	1,742
4110	71340	UNLOAD PIPE PILE AT YARD	3.40	HR	1.00	100	100				293	293
4110	71349	LOAD PIPE PILE ON BARGE	1.50	HR	1.00	100	100				129	129
*** 8CRC10		Crane Crawler-100tn	2,842.39								244,571	244,571

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
8CRH20		Crane Hydro-20tn										
1200	2750005	FURNISH AND FABRICATE GATES	926.63	HR	1.00	100	100			15,794	19,543	35,337
3020	2750005	FURNISH AND FABRICATE GATES	762.95	HR	1.00	100	100			13,004	16,091	29,095
*** 8CRH20		Crane Hydro-20tn	1,689.58							28,799	35,633	64,432
8CRH40		Crane Hydro-40tn										
1100	1100060	INSTALL PUMPING MANIFOLDS	23.74	HR	1.00	100	100				1,532	1,532
1100	1100070	FURNISH & INSTALL WING WALLS	473.26	HR	1.00	100	100				30,545	30,545
1200	2750060	DRY DOCK BARGE	30.00	HR	1.00	100	100				1,936	1,936
2020	215040	FABRICATE TEMPLATE	24.00	HR	1.00	100	100				1,549	1,549
2020	215053	WELD END PLATES TO SHEETS	15.88	HR	1.00	100	100				1,025	1,025
2020	220025	SPLICE PIPE PILE ON GROUND	75.50	HR	1.00	100	100				4,873	4,873
2020	225040	FABRICATE WALER MATERIAL	37.42	HR	1.00	100	100				2,415	2,415
2030	71554	FABRICATE TEMPLATE		HR	1.00	100	100					
2040	71554	FABRICATE TEMPLATE		HR	1.00	100	100					
2050	235023	SPLICE PIPE PILE ON GROUND	77.75	HR	1.00	100	100				5,018	5,018
2050	235030	MODIFY SHEET PILE TEMPLATE	16.00	HR	1.00	100	100				1,033	1,033
2110	71342	SPLICE PIPE PILE ON GROUND	14.15	HR	1.00	100	100				913	913
2120	2110020	FURN & INSTALL RAMP GATE	4.00	HR	1.00	100	100				258	258
2130	2120020	FURNISH & INSTALL MESSAGE BOARD	6.00	HR	1.00	100	100				387	387
2140	2130005	UNLOAD MATERIALS	4.00	HR	1.00	100	100				258	258
2140	2130010	FURN & INSTALL LIGHT POLE	2.00	HR	1.00	100	100				129	129
2140	2130020	FURN & INSTALL LEVEE LIGHT POLES	6.00	HR	1.00	100	100				387	387
2140	2130040	GENERATOR SET & FUEL TANK	4.00	HR	1.00	100	100				258	258
3010	1100060	INSTALL PUMPING MANIFOLDS	23.74	HR	1.00	100	100				1,532	1,532
3010	1100070	FURNISH & INSTALL WING WALLS	402.21	HR	1.00	100	100				25,959	25,959
3020	2750060	DRY DOCK BARGE		HR	1.00	100	100					
4020	715040	FABRICATE TEMPLATE	24.00	HR	1.00	100	100				1,549	1,549
4020	715053	WELD END PLATES TO SHEETS	15.88	HR	1.00	100	100				1,025	1,025
4020	720025	SPLICE PIPE PILE ON GROUND	28.25	HR	1.00	100	100				1,823	1,823
4020	725040	FABRICATE WALER MATERIAL	26.67	HR	1.00	100	100				1,721	1,721
4030	71554	FABRICATE TEMPLATE		HR	1.00	100	100					
4040	71554	FABRICATE TEMPLATE		HR	1.00	100	100					
4050	735023	SPLICE PIPE PILE ON GROUND	82.43	HR	1.00	100	100				5,320	5,320
4050	735030	MODIFY SHEET PILE TEMPLATE	16.00	HR	1.00	100	100				1,033	1,033
4110	71342	SPLICE PIPE PILE ON GROUND	14.15	HR	1.00	100	100				913	913
4130	2110020	FURN & INSTALL RAMP GATE	4.00	HR	1.00	100	100				258	258
4140	2120020	FURNISH & INSTALL MESSAGE BOARD	6.00	HR	1.00	100	100				387	387
4150	2130005	UNLOAD MATERIALS	4.00	HR	1.00	100	100				258	258
4150	2130010	FURN & INSTALL LIGHT POLE	2.00	HR	1.00	100	100				129	129
4150	2130020	FURN & INSTALL LEVEE LIGHT POLES	6.00	HR	1.00	100	100				387	387
4150	2130040	GENERATOR SET & FUEL TANK	4.00	HR	1.00	100	100				258	258
*** 8CRH40		Crane Hydro-40tn	1,473.03								95,071	95,071
8DOZ06		Dozer-CAT D6D										
2010	10020	CONSTR. ACCESS RD	20.00	HR	1.00	100	100				1,068	1,068
2070	3855	BUILD TRUCK RAMPS	31.11	HR	1.00	100	100				1,661	1,661
2070	3865	BUILD CONTAINMENT BERM	30.00	HR	1.00	100	100				1,602	1,602
2070	3870	SPREAD DREDGED MATERIAL	83.97	HR	1.00	100	100				4,483	4,483
2070	3872	DISC DREDGED MATERIAL	72.00	HR	1.00	100	100				3,844	3,844
4010	10020	CONSTR. ACCESS RD	20.00	HR	1.00	100	100				1,068	1,068
4070	3855	BUILD TRUCK RAMPS	31.11	HR	1.00	100	100				1,661	1,661

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4070	3870	SPREAD DREDGED MATERIAL	81.08	HR	1.00	100	100				4,329	4,329
4120	7900010	DISC DREDGED MATERIAL	100.00	HR	1.00	100	100				5,339	5,339
4120	7900050	ROUGH GRADE	43.70	HR	1.00	100	100				2,333	2,333
*** 8DOZ06		Dozer-CAT D6D	512.97								27,387	27,387
8GR012		Grader-CAT 12G										
4120	7900060	FINE GRADE AND COMPACT	43.70	HR	1.00	100	100				2,464	2,464
*** 8GR012		Grader-CAT 12G	43.70								2,464	2,464
8HAD46		Hammer Delmag D46-13										
2020	215030	RIG MOVES	8.00	HR	1.00	100	100				801	801
2020	215035	RIG UP & DOWN	8.00	HR	1.00	100	100				801	801
2020	215045	DRIVE TEMPORARY PILE	16.00	HR	1.00	100	100				1,602	1,602
2020	215050	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100				1,602	1,602
2020	215055	DRIVE WATER SHEETPILE	73.50	HR	1.00	100	100				7,360	7,360
2020	215060	REMOVE TEMPORARY PIPE PILE	16.00	HR	1.00	100	100				1,602	1,602
2020	220045	RIG UP & DOWN	0.67	HR	1.00	100	100				67	67
2020	220050	DRIVE KING PIPE PILE	30.00	HR	1.00	100	100				3,004	3,004
2030	71552	RIG MOVES	8.00	HR	1.00	100	100				801	801
2030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100				801	801
2030	71556	DRIVE TEMPORARY PILE	8.00	HR	1.00	100	100				801	801
2030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100				601	601
2030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100				2,253	2,253
2030	71587	REMOVE TEMPORARY PIPE PILE	8.00	HR	1.00	100	100				801	801
2040	71552	RIG MOVES	16.00	HR	1.00	100	100				1,602	1,602
2040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100				401	401
2040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100				1,402	1,402
2040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100				1,302	1,302
2040	71571	DRIVE WATER SHEETPILE	90.67	HR	1.00	100	100				9,079	9,079
2040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100				1,402	1,402
2050	235025	RIG UP & DOWN	2.00	HR	1.00	100	100				200	200
2050	235035	DRIVE TEMPORARY PILE	12.00	HR	1.00	100	100				1,202	1,202
2050	235040	HANDLE/PLACE TEMPLATE	8.00	HR	1.00	100	100				801	801
2050	235045	REMOVE TEMPLATE	4.00	HR	1.00	100	100				401	401
2050	235050	REMOVE TEMPORARY PILE	6.00	HR	1.00	100	100				601	601
2050	235055	DRIVE STEEL PIPE PILE	64.50	HR	1.00	100	100				6,459	6,459
2110	71352	RIG MOVES	3.00	HR	1.00	100	100				300	300
2110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100				601	601
4020	715030	RIG MOVES	8.00	HR	1.00	100	100				801	801
4020	715035	RIG UP & DOWN	8.00	HR	1.00	100	100				801	801
4020	715045	DRIVE TEMPORARY PILE	11.00	HR	1.00	100	100				1,101	1,101
4020	715050	HANDLE/PLACE TEMPLATE	10.00	HR	1.00	100	100				1,001	1,001
4020	715055	DRIVE WATER SHEETPILE	26.50	HR	1.00	100	100				2,654	2,654
4020	715060	REMOVE TEMPORARY PIPE PILE	11.00	HR	1.00	100	100				1,101	1,101
4020	720045	RIG UP & DOWN	0.67	HR	1.00	100	100				67	67
4020	720050	DRIVE WATER PIPE PILE	12.00	HR	1.00	100	100				1,202	1,202
4030	71552	RIG MOVES	8.00	HR	1.00	100	100				801	801
4030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100				801	801
4030	71556	DRIVE TEMPORARY PILE	7.00	HR	1.00	100	100				701	701
4030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100				601	601
4030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100				2,253	2,253
4030	71587	REMOVE TEMPORARY PIPE PILE	7.00	HR	1.00	100	100				701	701

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4040	71552	RIG MOVES	16.00	HR	1.00	100	100				1,602	1,602
4040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100				401	401
4040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100				1,402	1,402
4040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100				1,302	1,302
4040	71571	DRIVE WATER SHEETPILE	84.00	HR	1.00	100	100				8,411	8,411
4040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100				1,402	1,402
4050	735025	RIG UP & DOWN	2.00	HR	1.00	100	100				200	200
4050	735035	DRIVE TEMPORARY PILE	18.00	HR	1.00	100	100				1,802	1,802
4050	735040	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100				1,602	1,602
4050	735045	REMOVE TEMPLATE	8.00	HR	1.00	100	100				801	801
4050	735050	REMOVE TEMPORARY PILE	9.00	HR	1.00	100	100				901	901
4050	735055	DRIVE STEEL PIPE PILE	73.50	HR	1.00	100	100				7,360	7,360
4110	71352	RIG MOVES	3.00	HR	1.00	100	100				300	300
4110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100				601	601
*** 8HAD46		Hammer Delmag D46-13	912.01								91,324	91,324
8HAVE3		Vibratory Extractor -APE 200										
2020	215030	RIG MOVES	8.00	HR	1.00	100	100				772	772
2020	215035	RIG UP & DOWN	8.00	HR	1.00	100	100				772	772
2020	215045	DRIVE TEMPORARY PILE	16.00	HR	1.00	100	100				1,545	1,545
2020	215050	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100				1,545	1,545
2020	215055	DRIVE WATER SHEETPILE	73.50	HR	1.00	100	100				7,095	7,095
2020	215060	REMOVE TEMPORARY PIPE PILE	16.00	HR	1.00	100	100				1,545	1,545
2020	220045	RIG UP & DOWN	0.67	HR	1.00	100	100				65	65
2020	220050	DRIVE KING PIPE PILE	30.00	HR	1.00	100	100				2,896	2,896
2030	71552	RIG MOVES	8.00	HR	1.00	100	100				772	772
2030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100				772	772
2030	71556	DRIVE TEMPORARY PILE	8.00	HR	1.00	100	100				772	772
2030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100				579	579
2030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100				2,172	2,172
2030	71587	REMOVE TEMPORARY PIPE PILE	8.00	HR	1.00	100	100				772	772
2040	71552	RIG MOVES	16.00	HR	1.00	100	100				1,545	1,545
2040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100				386	386
2040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100				1,352	1,352
2040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100				1,255	1,255
2040	71571	DRIVE WATER SHEETPILE	90.67	HR	1.00	100	100				8,753	8,753
2040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100				1,352	1,352
2050	235025	RIG UP & DOWN	2.00	HR	1.00	100	100				193	193
2050	235035	DRIVE TEMPORARY PILE	12.00	HR	1.00	100	100				1,158	1,158
2050	235040	HANDLE/PLACE TEMPLATE	8.00	HR	1.00	100	100				772	772
2050	235045	REMOVE TEMPLATE	4.00	HR	1.00	100	100				386	386
2050	235050	REMOVE TEMPORARY PILE	6.00	HR	1.00	100	100				579	579
2050	235055	DRIVE STEEL PIPE PILE	64.50	HR	1.00	100	100				6,227	6,227
2110	71352	RIG MOVES	3.00	HR	1.00	100	100				290	290
2110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100				579	579
4020	715030	RIG MOVES	8.00	HR	1.00	100	100				772	772
4020	715035	RIG UP & DOWN	8.00	HR	1.00	100	100				772	772
4020	715045	DRIVE TEMPORARY PILE	11.00	HR	1.00	100	100				1,062	1,062
4020	715050	HANDLE/PLACE TEMPLATE	10.00	HR	1.00	100	100				965	965
4020	715055	DRIVE WATER SHEETPILE	26.50	HR	1.00	100	100				2,558	2,558
4020	715060	REMOVE TEMPORARY PIPE PILE	11.00	HR	1.00	100	100				1,062	1,062
4020	720045	RIG UP & DOWN	0.67	HR	1.00	100	100				65	65

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4020	720050	DRIVE WATER PIPE PILE	12.00	HR	1.00	100	100				1,158	1,158
4030	71552	RIG MOVES	8.00	HR	1.00	100	100				772	772
4030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100				772	772
4030	71556	DRIVE TEMPORARY PILE	7.00	HR	1.00	100	100				676	676
4030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100				579	579
4030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100				2,172	2,172
4030	71587	REMOVE TEMPORARY PIPE PILE	7.00	HR	1.00	100	100				676	676
4040	71552	RIG MOVES	16.00	HR	1.00	100	100				1,545	1,545
4040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100				386	386
4040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100				1,352	1,352
4040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100				1,255	1,255
4040	71571	DRIVE WATER SHEETPILE	84.00	HR	1.00	100	100				8,109	8,109
4040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100				1,352	1,352
4050	735025	RIG UP & DOWN	2.00	HR	1.00	100	100				193	193
4050	735035	DRIVE TEMPORARY PILE	18.00	HR	1.00	100	100				1,738	1,738
4050	735040	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100				1,545	1,545
4050	735045	REMOVE TEMPLATE	8.00	HR	1.00	100	100				772	772
4050	735050	REMOVE TEMPORARY PILE	9.00	HR	1.00	100	100				869	869
4050	735055	DRIVE STEEL PIPE PILE	73.50	HR	1.00	100	100				7,095	7,095
4110	71352	RIG MOVES	3.00	HR	1.00	100	100				290	290
4110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100				579	579
*** 8HAVE3		Vibratory Extractor -APE 200	912.01								88,043	88,043
8LOW03		Loader-Wheel 3.0cy (950)										
4120	7900020	LOADER TO LOAD TRUCKS	80.00	HR	1.00	100	100				3,764	3,764
*** 8LOW03		Loader-Wheel 3.0cy (950)	80.00								3,764	3,764
8PUD010		Pump - High Volume 10"										
2100	2800030	PROVIDE EXTRA EQUIPMENT	24.00	HR		100	100				1,855	1,855
4100	2800030	PROVIDE EXTRA EQUIPMENT	24.00	HR		100	100				1,855	1,855
*** 8PUD010		Pump - High Volume 10"	48.00								3,709	3,709
8PUD04		Pump 4" Dewatering										
2100	2800030	PROVIDE EXTRA EQUIPMENT	72.00	HR		100	100				1,018	1,018
4100	2800030	PROVIDE EXTRA EQUIPMENT	72.00	HR		100	100				1,018	1,018
*** 8PUD04		Pump 4" Dewatering	144.00								2,037	2,037
8TKD20		Dump Truck-Semi End Dump										
1100	1100020	PREP BARGE	80.00	HR		100	100				7,600	7,600
2010	10020	CONSTR. ACCESS RD	18.00	HR		100	100				1,710	1,710
2050	245097	FURN & PLACE CLASS II FILL	4.00	HR		100	100				380	380
2070	3868	UNLOAD DREDGED MATERIAL	270.00	HR		100	100				25,650	25,650
3010	1100020	PREP BARGE	80.00	HR		100	100				7,600	7,600
4010	10020	CONSTR. ACCESS RD	18.00	HR		100	100				1,710	1,710
4050	745097	FURN & PLACE CLASS II FILL	10.00	HR		100	100				950	950
4070	3868	UNLOAD DREDGED MATERIAL	241.07	HR		100	100				22,902	22,902
4120	7900020	LOADER TO LOAD TRUCKS	350.76	HR		100	100				33,322	33,322
*** 8TKD20		Dump Truck-Semi End Dump	1,071.83								101,824	101,824
8TKFB0		Truck-Flatbed										
2020	225020	TRANSPORT WALER MAT'L - TRUCK	13.22	HR		100	100				1,256	1,256
2050	242020	TRANSPORT STEEL FRAME	16.00	HR		100	100				1,520	1,520
2050	245030	TRANSPORT CONC PILE - TRUCK	92.00	HR		100	100				8,740	8,740
2050	245095	FURN & INSTALL CONC BARRIER	12.00	HR		100	100				1,140	1,140
2110	71335	TRANSPORT PIPE PILE - TRUCK	12.00	HR		100	100				1,140	1,140

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4020	725020	TRANSPORT WALER MAT'L - TRUCK	8.00	HR		100	100				760	760
4050	742020	TRANSPORT STEEL FRAME	12.00	HR		100	100				1,140	1,140
4050	745030	TRANSPORT CONC PILE - TRUCK	104.00	HR		100	100				9,880	9,880
4050	745095	FURN & INSTALL CONC BARRIER	24.80	HR		100	100				2,356	2,356
4110	71335	TRANSPORT PIPE PILE - TRUCK	12.00	HR		100	100				1,140	1,140
*** 8TKFB0		Truck-Flatbed	306.02								29,072	29,072
8TKP.5		Pickup Truck .5tn										
90000000	W08070005	Misc Equipment - Pickups	14,300.00	HR		100	100			71,500	138,138	209,638
*** 8TKP.5		Pickup Truck .5tn	14,300.00							71,500	138,138	209,638
8TKW30		Water Truck-3000 Gal										
90000000	W080700055	Miscellaneous Equipment	3,600.00	HR		100	100				122,728	122,728
*** 8TKW30		Water Truck-3000 Gal	3,600.00								122,728	122,728
8TUG10		Tugboat 1000 HP										
2100	2800030	PROVIDE EXTRA EQUIPMENT	16.00	HR		100	100				4,960	4,960
4100	2800030	PROVIDE EXTRA EQUIPMENT	16.00	HR		100	100				4,960	4,960
*** 8TUG10		Tugboat 1000 HP	32.00								9,920	9,920
8TUG15		Tugboat 1500 HP										
1100	1100010	TOW BARGE TO DRYDOCK & BACK	26.00	HR		100	100				10,400	10,400
1200	2750050	TOW BARGE TO DRYDOCK & BACK	26.00	HR		100	100				10,400	10,400
1300	1200020	TOW BARGE TO JOBSITE	15.00	HR		100	100				6,000	6,000
2010	10003	MOB/DEMOB WATER EQUIPMENT	60.00	HR		100	100				24,000	24,000
2020	215025	TRANSPORT SHEETPILE - BARGE	8.00	HR		100	100				3,200	3,200
2020	220040	TRANSPORT PIPE PILE - BARGE	8.00	HR		100	100				3,200	3,200
2030	71536	TRANSPORT SHEETPILE - BARGE	0.01	HR		100	100				4	4
2040	71536	TRANSPORT SHEETPILE - BARGE	16.00	HR		100	100				6,400	6,400
2050	235020	TRANSPORT STEEL PIPE PILE - BARGE	4.00	HR		100	100				1,600	1,600
2050	245045	TRANSPORT CONC PILE - BARGE	8.00	HR		100	100				3,200	3,200
2070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100				3,192	3,192
2070	3842	DREDGE - CRANE-BUCKET	26.20	HR	1.00	100	100				10,480	10,480
2070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100				14,000	14,000
2070	3868	UNLOAD DREDGED MATERIAL	83.97	HR	1.00	100	100				33,588	33,588
2070	3890	DRAG DREDGED AREA	5.00	HR	1.00	100	100				2,000	2,000
2080	2650030	TOW FLAT BARGE FROM S.R. & BACK	84.00	HR		100	100				33,600	33,600
2080	2650040	PLACE BEDDING MATERIAL	15.20	HR	1.00	100	100				6,080	6,080
2080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100				2,000	2,000
2090	2650030	TOW FLAT BARGE FROM S.R. & BACK	147.00	HR		100	100				58,800	58,800
2090	2650040	PLACE ROCK MATERIAL	28.20	HR	1.00	100	100				11,280	11,280
2100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100				32,000	32,000
2100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100				8,000	8,000
2100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100				4,000	4,000
2100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100				6,000	6,000
3010	1100010	TOW BARGE TO DRYDOCK & BACK	26.00	HR		100	100				10,400	10,400
3020	2750050	TOW BARGE TO DRYDOCK & BACK	26.00	HR		100	100				10,400	10,400
3030	1200020	TOW BARGE TO JOBSITE	15.00	HR		100	100				6,000	6,000
4010	10003	MOB/DEMOB WATER EQUIPMENT	60.00	HR		100	100				24,000	24,000
4020	715025	TRANSPORT SHEETPILE - BARGE	4.00	HR		100	100				1,600	1,600
4020	720040	TRANSPORT PIPE PILE - BARGE	4.00	HR		100	100				1,600	1,600
4030	71536	TRANSPORT SHEETPILE - BARGE	0.01	HR		100	100				4	4
4040	71536	TRANSPORT SHEETPILE - BARGE	16.00	HR		100	100				6,400	6,400
4050	735020	TRANSPORT STEEL PIPE PILE - BARGE	4.00	HR		100	100				1,600	1,600

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4050	745045	TRANSPORT CONC PILE - BARGE	8.00	HR		100	100				3,200	3,200
4070	3806	INSTALL SILT SCREEN	7.98	HR	1.00	100	100				3,192	3,192
4070	3842	DREDGE - CRANE-BUCKET	26.50	HR	1.00	100	100				10,600	10,600
4070	3850	MOVE EQUIP TO UNLOAD SITE,BACK	35.00	HR	1.00	100	100				14,000	14,000
4070	3868	UNLOAD DREDGED MATERIAL	81.08	HR	1.00	100	100				32,432	32,432
4070	3890	DRAG DREDGED AREA	4.04	HR	1.00	100	100				1,616	1,616
4080	2650030	TOW FLAT BARGE FROM S.R. & BACK	273.00	HR		100	100				109,200	109,200
4080	2650040	PLACE BEDDING MATERIAL	51.40	HR	1.00	100	100				20,560	20,560
4080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100				2,000	2,000
4090	2650030	TOW FLAT BARGE FROM S.R. & BACK	273.00	HR		100	100				109,200	109,200
4090	2650040	PLACE ROCK MATERIAL	50.80	HR	1.00	100	100				20,320	20,320
4100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100				32,000	32,000
4100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100				8,000	8,000
4100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100				4,000	4,000
4100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100				6,000	6,000
4120	7900040	PLACE MAT'LS ON BERM	20.80	HR	1.00	100	100				8,320	8,320
*** 8TUG15		Tugboat 1500 HP	1,850.17								740,068	740,068
8WE200		Welder-DSL 200 amp										
1100	1100060	INSTALL PUMPING MANIFOLDS	189.92	HR	8.00	100	100			388	2,416	2,804
1100	1100070	FURNISH & INSTALL WING WALLS	3,786.06	HR	8.00	100	100			7,742	48,159	55,901
1200	2750030	ASSEMBLE & INSTALL GATES ON BARGE	300.00	HR	3.00	100	100			614	3,816	4,430
2020	215040	FABRICATE TEMPLATE	48.00	HR	2.00	100	100			98	611	709
2020	215053	WELD END PLATES TO SHEETS	63.50	HR	4.00	100	100			130	808	938
2020	220025	SPLICE PIPE PILE ON GROUND	302.00	HR	4.00	100	100			618	3,841	4,459
2020	225040	FABRICATE WALER MATERIAL	149.68	HR	4.00	100	100			306	1,904	2,210
2030	71554	FABRICATE TEMPLATE		HR	2.00	100	100					
2040	71554	FABRICATE TEMPLATE		HR	2.00	100	100					
2050	235023	SPLICE PIPE PILE ON GROUND	311.00	HR	4.00	100	100			636	3,956	4,592
2050	235030	MODIFY SHEET PILE TEMPLATE	32.00	HR	2.00	100	100			65	407	472
2080	2650040	PLACE BEDDING MATERIAL	15.20	HR	1.00	100	100			31	193	224
2080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100			10	64	74
2090	2650040	PLACE ROCK MATERIAL	28.20	HR	1.00	100	100			58	359	416
2100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100			164	1,018	1,181
2100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100			41	254	295
2100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100			20	127	148
2100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100			31	191	221
2110	71342	SPLICE PIPE PILE ON GROUND	56.60	HR	4.00	100	100			116	720	836
3010	1100060	INSTALL PUMPING MANIFOLDS	189.94	HR	8.00	100	100			388	2,416	2,804
3010	1100070	FURNISH & INSTALL WING WALLS	3,217.72	HR	8.00	100	100			6,580	40,929	47,510
3020	2750030	ASSEMBLE & INSTALL GATES ON BARGE	300.00	HR	3.00	100	100			614	3,816	4,430
4020	715040	FABRICATE TEMPLATE	48.00	HR	2.00	100	100			98	611	709
4020	715053	WELD END PLATES TO SHEETS	63.50	HR	4.00	100	100			130	808	938
4020	720025	SPLICE PIPE PILE ON GROUND	113.00	HR	4.00	100	100			231	1,437	1,668
4020	725040	FABRICATE WALER MATERIAL	106.67	HR	4.00	100	100			218	1,357	1,575
4030	71554	FABRICATE TEMPLATE		HR	2.00	100	100					
4040	71554	FABRICATE TEMPLATE		HR	2.00	100	100					
4050	735023	SPLICE PIPE PILE ON GROUND	329.70	HR	4.00	100	100			674	4,194	4,868
4050	735030	MODIFY SHEET PILE TEMPLATE	32.00	HR	2.00	100	100			65	407	472
4080	2650040	PLACE BEDDING MATERIAL	51.40	HR	1.00	100	100			105	654	759
4080	2650050	SCREED BEDDING MATERIAL	5.00	HR	1.00	100	100			10	64	74
4090	2650040	PLACE ROCK MATERIAL	50.80	HR	1.00	100	100			104	646	750

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4100	2800005	FURNISH & INSTALL 500 TN PILE	80.00	HR	1.00	100	100			164	1,018	1,181
4100	2800010	SETUP TO POSITION BARGE & FLOOD	20.00	HR	1.00	100	100			41	254	295
4100	2800020	FLOOD BARGE	10.00	HR	1.00	100	100			20	127	148
4100	2800040	REMOVE TEMP PILE	15.00	HR	1.00	100	100			31	191	221
4110	71342	SPLICE PIPE PILE ON GROUND	56.60	HR	4.00	100	100			116	720	836
4120	7900040	PLACE MAT'LS ON BERM	20.80	HR	1.00	100	100			43	265	307
90000000	W080700055	Miscellaneous Equipment	3,600.00	HR		100	100			7,362	45,792	53,154
*** 8WE200		Welder-DSL 200 amp	13,722.29							28,062	174,548	202,610
8WE400		Welder-DSL 400 amp										
1100	1100020	PREP BARGE	450.00	HR	3.00	100	100			2,250	6,210	8,460
1100	1100030	INSTALL SPUD WELLS & MODIFY BARGE	750.00	HR	3.00	100	100			3,750	10,350	14,100
1200	2750005	FURNISH AND FABRICATE GATES	4,633.14	HR	5.00	100	100			23,166	63,937	87,103
2010	10001	MOB/DEMOB AT YARD	160.00	HR	2.00	100	100			800	2,208	3,008
2010	10008	MOB/DEMOB AT JOBSITE	80.00	HR	2.00	100	100			400	1,104	1,504
2020	215030	RIG MOVES	8.00	HR	1.00	100	100			40	110	150
2020	215035	RIG UP & DOWN	8.00	HR	1.00	100	100			40	110	150
2020	215045	DRIVE TEMPORARY PILE	16.00	HR	1.00	100	100			80	221	301
2020	215050	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			80	221	301
2020	215055	DRIVE WATER SHEETPILE	73.50	HR	1.00	100	100			368	1,014	1,382
2020	215060	REMOVE TEMPORARY PIPE PILE	16.00	HR	1.00	100	100			80	221	301
2020	220045	RIG UP & DOWN	0.67	HR	1.00	100	100			3	9	13
2020	220050	DRIVE KING PIPE PILE	30.00	HR	1.00	100	100			150	414	564
2020	225050	RIG MOVES	2.00	HR	2.00	100	100			10	28	38
2020	225060	INSTALL PILE COLLARS & TIE-RODS	84.00	HR	2.00	100	100			420	1,159	1,579
2020	225070	INSTALL WALER	154.67	HR	2.00	100	100			773	2,134	2,908
2030	71552	RIG MOVES	8.00	HR	1.00	100	100			40	110	150
2030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			40	110	150
2030	71556	DRIVE TEMPORARY PILE	8.00	HR	1.00	100	100			40	110	150
2030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			30	83	113
2030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			113	311	423
2030	71587	REMOVE TEMPORARY PIPE PILE	8.00	HR	1.00	100	100			40	110	150
2040	71552	RIG MOVES	16.00	HR	1.00	100	100			80	221	301
2040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			20	55	75
2040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			70	193	263
2040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			65	179	244
2040	71571	DRIVE WATER SHEETPILE	90.67	HR	1.00	100	100			453	1,251	1,705
2040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			70	193	263
2050	235025	RIG UP & DOWN	2.00	HR	1.00	100	100			10	28	38
2050	235035	DRIVE TEMPORARY PILE	12.00	HR	1.00	100	100			60	166	226
2050	235040	HANDLE/PLACE TEMPLATE	8.00	HR	1.00	100	100			40	110	150
2050	235045	REMOVE TEMPLATE	4.00	HR	1.00	100	100			20	55	75
2050	235050	REMOVE TEMPORARY PILE	6.00	HR	1.00	100	100			30	83	113
2050	235055	DRIVE STEEL PIPE PILE	64.50	HR	1.00	100	100			323	890	1,213
2050	242040	PLACE PREFABBED CAP BEAMS	19.00	HR	2.00	100	100			95	262	357
2050	242050	PLACE LONGITUDINAL HSS BEAMS	30.00	HR	2.00	100	100			150	414	564
2050	245080	SET PC PLANKS	49.33	HR	2.00	100	100			247	681	927
2050	245090	SECURE PLANKS - SET TIMBERS	29.20	HR	2.00	100	100			146	403	549
2050	245095	FURN & INSTALL CONC BARRIER	4.70	HR	2.00	100	100			24	65	88
2050	2550020	UNLOAD AT JOBSITE	10.00	HR	2.00	100	100			50	138	188
2050	2550030	ASSEMBLE AT JOBSITE	20.00	HR	2.00	100	100			100	276	376
2050	2550040	INSTALL BOARDING FLOAT	40.00	HR	2.00	100	100			200	552	752

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
2060	2500020	UNLOAD STEEL CATWALK	20.00	HR	2.00	100	100			100	276	376
2060	2500030	INSTALL STEEL CATWALK	120.60	HR	2.00	100	100			603	1,664	2,267
2110	71352	RIG MOVES	3.00	HR	1.00	100	100			15	41	56
2110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			30	83	113
2120	2110010	FURNISH & INSTALL SECURITY GATES	8.00	HR	2.00	100	100			40	110	150
2130	2120050	FURNISH & INSTALL BUOYS	12.00	HR	2.00	100	100			60	166	226
3010	1100020	PREP BARGE	450.00	HR	3.00	100	100			2,250	6,210	8,460
3010	1100030	INSTALL SPUD WELLS & MODIFY BARGE	750.00	HR	3.00	100	100			3,750	10,350	14,100
3020	2750005	FURNISH AND FABRICATE GATES	3,814.73	HR	5.00	100	100			19,074	52,643	71,717
4010	10001	MOB/DEMOB AT YARD	160.00	HR	2.00	100	100			800	2,208	3,008
4010	10008	MOB/DEMOB AT JOBSITE	80.00	HR	2.00	100	100			400	1,104	1,504
4020	715030	RIG MOVES	8.00	HR	1.00	100	100			40	110	150
4020	715035	RIG UP & DOWN	8.00	HR	1.00	100	100			40	110	150
4020	715045	DRIVE TEMPORARY PILE	11.00	HR	1.00	100	100			55	152	207
4020	715050	HANDLE/PLACE TEMPLATE	10.00	HR	1.00	100	100			50	138	188
4020	715055	DRIVE WATER SHEETPILE	26.50	HR	1.00	100	100			133	366	498
4020	715060	REMOVE TEMPORARY PIPE PILE	11.00	HR	1.00	100	100			55	152	207
4020	720045	RIG UP & DOWN	0.67	HR	1.00	100	100			3	9	13
4020	720050	DRIVE WATER PIPE PILE	12.00	HR	1.00	100	100			60	166	226
4020	725050	RIG MOVES	2.00	HR	2.00	100	100			10	28	38
4020	725060	INSTALL PILE COLLARS & TIE-RODS	48.00	HR	2.00	100	100			240	662	902
4020	725070	INSTALL WALER	105.07	HR	2.00	100	100			525	1,450	1,975
4030	71552	RIG MOVES	8.00	HR	1.00	100	100			40	110	150
4030	71553	RIG UP & DOWN	8.00	HR	1.00	100	100			40	110	150
4030	71556	DRIVE TEMPORARY PILE	7.00	HR	1.00	100	100			35	97	132
4030	71557	HANDLE/PLACE TEMPLATE	6.00	HR	1.00	100	100			30	83	113
4030	71571	DRIVE WATER SHEETPILE	22.50	HR	1.00	100	100			113	311	423
4030	71587	REMOVE TEMPORARY PIPE PILE	7.00	HR	1.00	100	100			35	97	132
4040	71552	RIG MOVES	16.00	HR	1.00	100	100			80	221	301
4040	71553	RIG UP & DOWN	4.00	HR	1.00	100	100			20	55	75
4040	71556	DRIVE TEMPORARY PILE	14.00	HR	1.00	100	100			70	193	263
4040	71557	HANDLE/PLACE TEMPLATE	13.00	HR	1.00	100	100			65	179	244
4040	71571	DRIVE WATER SHEETPILE	84.00	HR	1.00	100	100			420	1,159	1,579
4040	71587	REMOVE TEMPORARY PIPE PILE	14.00	HR	1.00	100	100			70	193	263
4050	735025	RIG UP & DOWN	2.00	HR	1.00	100	100			10	28	38
4050	735035	DRIVE TEMPORARY PILE	18.00	HR	1.00	100	100			90	248	338
4050	735040	HANDLE/PLACE TEMPLATE	16.00	HR	1.00	100	100			80	221	301
4050	735045	REMOVE TEMPLATE	8.00	HR	1.00	100	100			40	110	150
4050	735050	REMOVE TEMPORARY PILE	9.00	HR	1.00	100	100			45	124	169
4050	735055	DRIVE STEEL PIPE PILE	73.50	HR	1.00	100	100			368	1,014	1,382
4050	742040	PLACE PREFABBED CAP BEAM	20.00	HR	2.00	100	100			100	276	376
4050	742050	PLACE LONGITUDINAL HSS BEAMS	34.00	HR	2.00	100	100			170	469	639
4050	745080	SET PC PLANKS	54.00	HR	2.00	100	100			270	745	1,015
4050	745090	SECURE PLANKS - SET TIMBERS	34.25	HR	2.00	100	100			171	473	644
4050	745095	FURN & INSTALL CONC BARRIER		HR	2.00	100	100					
4050	7550020	UNLOAD AT JOBSITE	10.00	HR	2.00	100	100			50	138	188
4050	7550030	ASSEMBLE AT JOBSITE	20.00	HR	2.00	100	100			100	276	376
4050	7550040	INSTALL BOARDING FLOAT	40.00	HR	2.00	100	100			200	552	752
4060	2500020	UNLOAD STEEL CATWALK	20.00	HR	2.00	100	100			100	276	376
4060	2500030	INSTALL STEEL CATWALK	51.00	HR	2.00	100	100			255	704	959
4110	71352	RIG MOVES	3.00	HR	1.00	100	100			15	41	56

EQUIPMENT USE BY EQUIPMENT

Biditem/ Category	Activity/ Resource	Description	Quantity	Unit	Pcs	Rnt %	EOE %	Inside Equipment	Outside Equipment	EOE	Other	Total
4110	71371	DRIVE WATER PIPE PILE	6.00	HR	1.00	100	100			30	83	113
4130	2110010	FURNISH & INSTALL SECURITY GATES	8.00	HR	2.00	100	100			40	110	150
4140	2120050	FURNISH & INSTALL BUOYS	12.00	HR	2.00	100	100			60	166	226
*** 8WE400		Welder-DSL 400 amp	13,301.70							66,509	183,563	250,072
REPORT TOTALS										2,013,509	2,784,243	4,797,752

*** indicates non-additive item

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
1200	2750010	2AIR VALVE4		15.000	EA	550.000	109.25	0.00	9,013.13	100.00
3020	2750010	2AIR VALVE4		12.000	EA	550.000	109.25	0.00	7,210.50	100.00
Subtotal:	2AIR VALVE4	Air Gate Valve - 4in		27.000	EA	550.000	109.25		16,223.63	100.00
1200	2750010	2AIR VALVE6		30.000	EA	800.000	109.25	0.00	26,220.00	100.00
3020	2750010	2AIR VALVE6		24.000	EA	800.000	109.25	0.00	20,976.00	100.00
Subtotal:	2AIR VALVE6	Air Gate Valve - 6in		54.000	EA	800.000	109.25		47,196.00	100.00
2020	220010	2BACKUP RING		32.000	EA	35.000	109.25	0.00	1,223.60	100.00
2050	235022	2BACKUP RING		33.000	EA	35.000	109.25	0.00	1,261.84	100.00
2110	71327	2BACKUP RING		6.000	EA	35.000	109.25	0.00	229.43	100.00
4020	720010	2BACKUP RING		12.000	EA	35.000	109.25	0.00	458.85	100.00
4050	735022	2BACKUP RING		35.000	EA	35.000	109.25	0.00	1,338.31	100.00
4110	71327	2BACKUP RING		6.000	EA	35.000	109.25	0.00	229.43	100.00
Subtotal:	2BACKUP RING	Backup Ring - 36"x 1.5"		124.000	EA	35.000	109.25		4,741.46	100.00
3010	1100005	2BARGE DENIS		1.000	LS	1,000,000.000	109.25	0.00	1,092,500.00	100.00
Subtotal:	2BARGE DENIS	Purchase of Barge "Denise"		1.000	LS	1,000,000.000	109.25		1,092,500.00	100.00
1100	1100005	2BARGE IGNAC		1.000	LS	1,000,000.000	109.25	0.00	1,092,500.00	100.00
Subtotal:	2BARGE IGNAC	Purchase of Barge "Ignacio"		1.000	LS	1,000,000.000	109.25		1,092,500.00	100.00
1100	1100030	2BARGE MATLS		1.000	LS	400,000.000	109.25	0.00	437,000.00	100.00
3010	1100030	2BARGE MATLS		1.000	LS	400,000.000	109.25	0.00	437,000.00	100.00
Subtotal:	2BARGE MATLS	Barge Matls		2.000	LS	400,000.000	109.25		874,000.00	100.00
2010	10020	2BASE CLII		113.000	TN	9.000	109.25	0.00	1,111.07	100.00
2050	245097	2BASE CLII		10.000	TN	9.000	109.25	0.00	98.33	100.00
4010	10020	2BASE CLII		113.000	TN	9.000	109.25	0.00	1,111.07	100.00
4050	745097	2BASE CLII		25.000	TN	9.000	109.25	0.00	245.81	100.00
Subtotal:	2BASE CLII	Aggregate Base - Class II		261.000	TN	9.000	109.25		2,566.28	100.00
2080	2650020	2BEDDING ROC		3,800.000	TON	13.000	109.25	0.00	53,969.50	100.00
4080	2650020	2BEDDING ROC		12,850.000	TON	13.000	109.25	0.00	182,502.13	100.00
Subtotal:	2BEDDING ROC	Bedding Rock		16,650.000	TON	13.000	109.25		236,471.63	100.00
2060	2500010	2BOLT3/4X4.5		260.000	EA	2.000	109.25	0.00	568.10	100.00
4060	2500010	2BOLT3/4X4.5		100.000	EA	2.000	109.25	0.00	218.50	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
Subtotal:	2BOLT3/4X4.5	Bolt 3/4" x 4.5"		360.000	EA	2.000	109.25		786.60	100.00
2130	2120050	2BUOY		4.000	EA	1,500.000	109.25	0.00	6,555.00	100.00
4140	2120050	2BUOY		4.000	EA	1,500.000	109.25	0.00	6,555.00	100.00
Subtotal:	2BUOY	Buoy, Anchor & Chain		8.000	EA	1,500.000	109.25		13,110.00	100.00
1200	2750010	2CATWALK		140.000	SF	140.000	109.25	0.00	21,413.00	100.00
2060	2500010	2CATWALK		2,032.000	SF	140.000	109.25	0.00	310,794.40	100.00
3020	2750010	2CATWALK		90.000	SF	140.000	109.25	0.00	13,765.50	100.00
4060	2500010	2CATWALK		848.000	SF	140.000	109.25	0.00	129,701.60	100.00
Subtotal:	2CATWALK	Steel Catwalk w/ Handrails		3,110.000	SF	140.000	109.25		475,674.50	100.00
2060	2500010	2CATWALK SUP		14,000.000	LB	3.500	109.25	0.00	53,532.50	100.00
4060	2500010	2CATWALK SUP		6,300.000	LB	3.500	109.25	0.00	24,089.63	100.00
Subtotal:	2CATWALK SUP	Steel Catwalk Support Sys		20,300.000	LB	3.500	109.25		77,622.13	100.00
1200	2750015	2CHAIR		2.000	EA	300.000	109.25	0.00	655.50	100.00
3020	2750015	2CHAIR		2.000	EA	300.000	109.25	0.00	655.50	100.00
Subtotal:	2CHAIR	Chair, Oper House		4.000	EA	300.000	109.25		1,311.00	100.00
1200	2750015	2CIRCUIT BR		16.000	EA	55.000	109.25	0.00	961.40	100.00
3020	2750015	2CIRCUIT BR		16.000	EA	55.000	109.25	0.00	961.40	100.00
Subtotal:	2CIRCUIT BR	Circuit Breaker		32.000	EA	55.000	109.25		1,922.80	100.00
2020	225010	2COLLAR/BRKT		37,960.000	LB	4.500	109.25	0.00	186,620.85	100.00
4020	725010	2COLLAR/BRKT		21,202.000	LB	4.500	109.25	0.00	104,234.33	100.00
Subtotal:	2COLLAR/BRKT	Pile Collar & Bracket Fabbcd		59,162.000	LB	4.500	109.25		290,855.18	100.00
2050	240030	2CON40		48.700	CY	110.000	109.25	1.00	5,852.52	100.00
4050	740030	2CON40		48.200	CY	110.000	109.25	1.00	5,792.44	100.00
Subtotal:	2CON40	Concrete-4000psi		96.900	CY	110.000	109.25		11,644.96	100.00
2140	2130020	2CON4000		2.000	CY	110.000	109.25	0.00	240.35	100.00
2140	2130030	2CON4000		1.700	CY	110.000	109.25	0.00	204.30	100.00
4150	2130020	2CON4000		2.000	CY	110.000	109.25	0.00	240.35	100.00
4150	2130030	2CON4000		1.700	CY	110.000	109.25	0.00	204.30	100.00
Subtotal:	2CON4000	Concrete - 4000psi (28mPa)		7.400	CY	110.000	109.25		889.30	100.00
2050	245095	2CONCBARRIER		94.000	LF	30.000	109.25	0.00	3,080.85	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
4050	745095	2CONCBARRIER		248.000	LF	30.000	109.25	0.00	8,128.20	100.00
Subtotal:	2CONCBARRIER	Concrete Barrier (type K)		342.000	LF	30.000	109.25		11,209.05	100.00
1200	2750015	2CONT PANEL		1.000	EA	4,000.000	109.25	0.00	4,370.00	100.00
3020	2750015	2CONT PANEL		1.000	EA	4,000.000	109.25	0.00	4,370.00	100.00
Subtotal:	2CONT PANEL	Control Panel		2.000	EA	4,000.000	109.25		8,740.00	100.00
1200	2750015	2DESK		1.000	EA	500.000	109.25	0.00	546.25	100.00
3020	2750015	2DESK		1.000	EA	500.000	109.25	0.00	546.25	100.00
Subtotal:	2DESK	Desk		2.000	EA	500.000	109.25		1,092.50	100.00
1100	1100060	2EDUCTOR		12.000	EA	4,000.000	109.25	0.00	52,440.00	100.00
3010	1100060	2EDUCTOR		12.000	EA	4,000.000	109.25	0.00	52,440.00	100.00
Subtotal:	2EDUCTOR	Eductor 6-4-6		24.000	EA	4,000.000	109.25		104,880.00	100.00
1200	2750015	2ELEC DIST		1.000	EA	560.000	109.25	0.00	611.80	100.00
3020	2750015	2ELEC DIST		1.000	EA	560.000	109.25	0.00	611.80	100.00
Subtotal:	2ELEC DIST	Electric Distribution Panel		2.000	EA	560.000	109.25		1,223.60	100.00
1100	1100070	2END WALL		88,600.000	LB	0.600	109.25	0.00	58,077.30	100.00
3010	1100070	2END WALL		75,300.000	LB	0.600	109.25	0.00	49,359.15	100.00
Subtotal:	2END WALL	End Wall Steel Mat'ls		163,900.000	LB	0.600	109.25		107,436.45	100.00
1200	2750010	2FABREEKA		5.000	EA	100.000	109.25	0.00	546.25	100.00
3020	2750010	2FABREEKA		4.000	EA	100.000	109.25	0.00	437.00	100.00
Subtotal:	2FABREEKA	Fabreeka Shim		9.000	EA	100.000	109.25		983.25	100.00
2140	2130090	2FAULT MONIT		1.000	EA	3,500.000	109.25	0.00	3,823.75	100.00
4150	2130090	2FAULT MONIT		1.000	EA	3,500.000	109.25	0.00	3,823.75	100.00
Subtotal:	2FAULT MONIT	Ground Fault Monitor		2.000	EA	3,500.000	109.25		7,647.50	100.00
2130	2120040	2FLASH LITE		8.000	EA	150.000	109.25	0.00	1,311.00	100.00
4140	2120040	2FLASH LITE		8.000	EA	150.000	109.25	0.00	1,311.00	100.00
Subtotal:	2FLASH LITE	Flashing Barrier Light		16.000	EA	150.000	109.25		2,622.00	100.00
2050	2550010	2FLOAT		1,320.000	SF	75.000	109.25	0.00	108,157.50	100.00
4050	7550010	2FLOAT		1,320.000	SF	75.000	109.25	0.00	108,157.50	100.00
Subtotal:	2FLOAT	Boarding Float		2,640.000	SF	75.000	109.25		216,315.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
1200	2750010	2GASKET30		2.000	EA	300.000	109.25	0.00	655.50	100.00
3020	2750010	2GASKET30		2.000	EA	300.000	109.25	0.00	655.50	100.00
Subtotal:	2GASKET30	Gasket 30"dia x 2"		4.000	EA	300.000	109.25		1,311.00	100.00
1200	2750010	2GATE CATWAL		170.000	LF	120.000	109.25	0.00	22,287.00	100.00
3020	2750010	2GATE CATWAL		120.000	LF	120.000	109.25	0.00	15,732.00	100.00
Subtotal:	2GATE CATWAL	Gate Catwalk w/ Ck'd Plate		290.000	LF	120.000	109.25		38,019.00	100.00
1200	2750005	2GATE STEEL		685,000.000	LB	0.900	109.25	0.00	673,526.25	100.00
3020	2750005	2GATE STEEL		564,000.000	LB	0.900	109.25	0.00	554,553.00	100.00
Subtotal:	2GATE STEEL	Gate Steel Materials		1,249,000.000	LB	0.900	109.25		1,228,079.25	100.00
2120	2110020	2GATE-RAMP		1.000	EA	3,000.000	109.25	0.00	3,277.50	100.00
4130	2110020	2GATE-RAMP		1.000	EA	3,000.000	109.25	0.00	3,277.50	100.00
Subtotal:	2GATE-RAMP	Security Gate - Boat Ramp		2.000	EA	3,000.000	109.25		6,555.00	100.00
2140	2130040	2GEN SET		1.000	EA	35,000.000	109.25	0.00	38,237.50	100.00
4150	2130040	2GEN SET		1.000	EA	35,000.000	109.25	0.00	38,237.50	100.00
Subtotal:	2GEN SET	100KW Generator Set		2.000	EA	35,000.000	109.25		76,475.00	100.00
2050	242010	2GROUT BY SK		148.000	SK	20.000	109.25	0.00	3,233.80	100.00
4050	742010	2GROUT BY SK		185.000	SK	20.000	109.25	0.00	4,042.25	100.00
Subtotal:	2GROUT BY SK	Cement Grout by the Sack		333.000	SK	20.000	109.25		7,276.05	100.00
1200	2750010	2HARDWARE		300.000	LB	3.500	109.25	0.00	1,147.13	100.00
2020	215010	2HARDWARE		40.000	LB	3.500	109.25	0.00	152.95	100.00
2020	225010	2HARDWARE		2,475.000	LB	3.500	109.25	0.00	9,463.78	100.00
2060	2500010	2HARDWARE		152.000	LB	3.500	109.25	0.00	581.21	100.00
3020	2750010	2HARDWARE		250.000	LB	3.500	109.25	0.00	955.94	100.00
4020	715010	2HARDWARE		40.000	LB	3.500	109.25	0.00	152.95	100.00
4020	725010	2HARDWARE		1,045.000	LB	3.500	109.25	0.00	3,995.82	100.00
4060	2500010	2HARDWARE		185.000	LB	3.500	109.25	0.00	707.39	100.00
Subtotal:	2HARDWARE	Bolts, Nuts & Washers		4,487.000	LB	3.500	109.25		17,157.17	100.00
2060	2500010	2HDPE SLIDE		10.000	SF	30.000	109.25	0.00	327.75	100.00
4060	2500010	2HDPE SLIDE		4.000	SF	30.000	109.25	0.00	131.10	100.00
Subtotal:	2HDPE SLIDE	HDPE Slide - 1/16" th.		14.000	SF	30.000	109.25		458.85	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
1200	2750010	2HYD CYLIN10		5.000	EA	30,000.000	109.25	0.00	163,875.00	100.00
3020	2750010	2HYD CYLIN10		4.000	EA	30,000.000	109.25	0.00	131,100.00	100.00
Subtotal:	2HYD CYLIN10	Hydraulic Cylinder - 10" dia		9.000	EA	30,000.000	109.25		294,975.00	100.00
1200	2750010	2HYD CYLIN25		5.000	EA	2,340.000	109.25	0.00	12,782.25	100.00
3020	2750010	2HYD CYLIN25		4.000	EA	2,340.000	109.25	0.00	10,225.80	100.00
Subtotal:	2HYD CYLIN25	Hydraulic Cylinder - 2.5"dia		9.000	EA	2,340.000	109.25		23,008.05	100.00
1200	2750010	2HYD PPACK		2.000	EA	10,000.000	109.25	0.00	21,850.00	100.00
1200	2750015	2HYD PPACK		2.000	EA	10,000.000	109.25	0.00	21,850.00	100.00
3020	2750010	2HYD PPACK		2.000	EA	10,000.000	109.25	0.00	21,850.00	100.00
3020	2750015	2HYD PPACK		2.000	EA	10,000.000	109.25	0.00	21,850.00	100.00
Subtotal:	2HYD PPACK	Hydraulic Power Pack, 25HP		8.000	EA	10,000.000	109.25		87,400.00	100.00
1200	2750010	2HYDRAULICS		1.000	LS	30,000.000	109.25	0.00	32,775.00	100.00
3020	2750010	2HYDRAULICS		1.000	LS	30,000.000	109.25	0.00	32,775.00	100.00
Subtotal:	2HYDRAULICS	Hydraulics & Piping		2.000	LS	30,000.000	109.25		65,550.00	100.00
1200	2750010	2LADDER		2.000	EA	1,000.000	109.25	0.00	2,185.00	100.00
3020	2750010	2LADDER		2.000	EA	1,000.000	109.25	0.00	2,185.00	100.00
Subtotal:	2LADDER	Steel Ladders - Barge		4.000	EA	1,000.000	109.25		4,370.00	100.00
2050	242010	2LAG BOLT5/8		80.000	EA	1.750	109.25	0.00	152.95	100.00
4050	742010	2LAG BOLT5/8		80.000	EA	1.750	109.25	0.00	152.95	100.00
Subtotal:	2LAG BOLT5/8	Lag Bolt - 5/8" x 6"		160.000	EA	1.750	109.25		305.90	100.00
1200	2750010	2LATCHES		5.000	EA	2,500.000	109.25	0.00	13,656.25	100.00
3020	2750010	2LATCHES		4.000	EA	2,500.000	109.25	0.00	10,925.00	100.00
Subtotal:	2LATCHES	Gate Latch Assemblies		9.000	EA	2,500.000	109.25		24,581.25	100.00
2140	2130010	2LITE POLE-1		1.000	EA	1,680.000	109.25	0.00	1,835.40	100.00
4150	2130010	2LITE POLE-1		1.000	EA	1,680.000	109.25	0.00	1,835.40	100.00
Subtotal:	2LITE POLE-1	Folding Lite Pole		2.000	EA	1,680.000	109.25		3,670.80	100.00
2140	2130020	2LITE POLE-2		2.000	EA	1,800.000	109.25	0.00	3,933.00	100.00
4150	2130020	2LITE POLE-2		2.000	EA	1,800.000	109.25	0.00	3,933.00	100.00
Subtotal:	2LITE POLE-2	Area Light Pole - 35'		4.000	EA	1,800.000	109.25		7,866.00	100.00
1200	2750010	2MARINE FEND		1.000	LS	10,000.000	109.25	0.00	10,925.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
Subtotal:	2MARINE FEND	Marine Fenders		1.000	LS	10,000.000	109.25		10,925.00	100.00
2130	2120020	2MESS BOARD		2.000	EA	2,500.000	109.25	0.00	5,462.50	100.00
4140	2120020	2MESS BOARD		2.000	EA	2,500.000	109.25	0.00	5,462.50	100.00
Subtotal:	2MESS BOARD	Message Board		4.000	EA	2,500.000	109.25		10,925.00	100.00
2140	2130070	2METER PANEL		1.000	EA	3,000.000	109.25	0.00	3,277.50	100.00
4150	2130070	2METER PANEL		1.000	EA	3,000.000	109.25	0.00	3,277.50	100.00
Subtotal:	2METER PANEL	Metered Panel - 225A		2.000	EA	3,000.000	109.25		6,555.00	100.00
1200	2750015	2MOTOR START		2.000	EA	1,220.000	109.25	0.00	2,665.70	100.00
3020	2750015	2MOTOR START		2.000	EA	1,220.000	109.25	0.00	2,665.70	100.00
Subtotal:	2MOTOR START	Motor Starter		4.000	EA	1,220.000	109.25		5,331.40	100.00
2130	2120030	2NAV LIGHT		2.000	EA	150.000	109.25	0.00	327.75	100.00
4140	2120030	2NAV LIGHT		2.000	EA	150.000	109.25	0.00	327.75	100.00
Subtotal:	2NAV LIGHT	Navigational Light		4.000	EA	150.000	109.25		655.50	100.00
2050	242010	2NEO GASKET		210.000	LF	5.000	109.25	0.00	1,147.13	100.00
4050	742010	2NEO GASKET		200.000	LF	5.000	109.25	0.00	1,092.50	100.00
Subtotal:	2NEO GASKET	Neoprene Gasket - 1"thx2.5"w		410.000	LF	5.000	109.25		2,239.63	100.00
2020	225010	2NEO PAD 1		28.000	SF	30.000	109.25	0.00	917.70	100.00
4020	725010	2NEO PAD 1		15.000	SF	30.000	109.25	0.00	491.63	100.00
Subtotal:	2NEO PAD 1	Neoprene Pad 1"th.		43.000	SF	30.000	109.25		1,409.33	100.00
2020	225010	2NEO PAD 3		37.000	SF	90.000	109.25	0.00	3,638.03	100.00
4020	725010	2NEO PAD 3		21.000	SF	90.000	109.25	0.00	2,064.83	100.00
Subtotal:	2NEO PAD 3	Neoprene Pad 3"x1.67"x.52'		58.000	SF	90.000	109.25		5,702.86	100.00
2050	245020	2NEOPRE 1/2		76.000	SF	16.000	109.25	0.00	1,328.48	100.00
Subtotal:	2NEOPRE 1/2	Neoprene - 1/2"		76.000	SF	16.000	109.25		1,328.48	100.00
2050	245020	2NEOPRE 1/4		60.000	SF	8.000	109.25	0.00	524.40	100.00
Subtotal:	2NEOPRE 1/4	Neoprene - 1/4"		60.000	SF	8.000	109.25		524.40	100.00
2050	245020	2NEOPRE 1/8		550.000	SF	4.000	109.25	0.00	2,403.50	100.00
4050	745020	2NEOPRE 1/8		550.000	SF	4.000	109.25	0.00	2,403.50	100.00
Subtotal:	2NEOPRE 1/8	Neoprene - 1/8"		1,100.000	SF	4.000	109.25		4,807.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
2020	225010	2NEP SHT 1/4		560.000	SF	7.000	109.25	0.00	4,282.60	100.00
4020	725010	2NEP SHT 1/4		320.000	SF	7.000	109.25	0.00	2,447.20	100.00
Subtotal:	2NEP SHT 1/4	Neoprene Sheet 1/4"th.		880.000	SF	7.000	109.25		6,729.80	100.00
2060	2500010	2NUT3/4		280.000	EA	0.500	109.25	0.00	152.95	100.00
4060	2500010	2NUT3/4		100.000	EA	0.500	109.25	0.00	54.63	100.00
Subtotal:	2NUT3/4	Heavy Hex Nut - 3/4		380.000	EA	0.500	109.25		207.58	100.00
1200	2750015	2OPER HOUSE		1.000	LS	58,000.000	109.25	0.00	63,365.00	100.00
3020	2750015	2OPER HOUSE		1.000	LS	58,000.000	109.25	0.00	63,365.00	100.00
Subtotal:	2OPER HOUSE	Operator House		2.000	LS	58,000.000	109.25		126,730.00	100.00
1100	1100080	2PIGIRON BAL		140,500.000	LB	0.300	109.25	0.00	46,048.88	100.00
3010	1100080	2PIGIRON BAL		138,000.000	LB	0.300	109.25	0.00	45,229.50	100.00
Subtotal:	2PIGIRON BAL	Pig Iron Ballast		278,500.000	LB	0.300	109.25		91,278.38	100.00
2050	2550010	2PILE CAP		6.000	EA	30.000	109.25	0.00	196.65	100.00
4050	7550010	2PILE CAP		6.600	EA	30.000	109.25	0.00	216.32	100.00
Subtotal:	2PILE CAP	Pile Cap - 18"dia		12.600	EA	30.000	109.25		412.97	100.00
2050	235005	2PIPE PILE18		198,220.000	LB	0.660	109.25	0.00	142,926.53	100.00
4050	735005	2PIPE PILE18		228,140.000	LB	0.660	109.25	0.00	164,500.35	100.00
Subtotal:	2PIPE PILE18	Steel Pipe Pile 18"x.5in.		426,360.000	LB	0.660	109.25		307,426.88	100.00
2020	220005	2PIPE PILE36		686,480.630	LB	0.710	109.25	0.00	532,485.86	100.00
2110	713196	2PIPE PILE36		137,296.740	LB	0.710	109.25	0.00	106,497.65	100.00
4020	720005	2PIPE PILE36		274,592.160	LB	0.710	109.25	0.00	212,994.27	100.00
4110	713196	2PIPE PILE36		137,296.740	LB	0.710	109.25	0.00	106,497.65	100.00
Subtotal:	2PIPE PILE36	Pipe Pile - 36"x0.75"		1,235,666.270	LB	0.710	109.25		958,475.43	100.00
1100	1100060	2PIPING		1.000	LS	10,000.000	109.25	0.00	10,925.00	100.00
3010	1100060	2PIPING		1.000	LS	10,000.000	109.25	0.00	10,925.00	100.00
Subtotal:	2PIPING	Barge Piping - Pump/Flood		2.000	LS	10,000.000	109.25		21,850.00	100.00
2090	2650020	2ROCK		7,050.000	TON	15.000	109.25	0.00	115,531.88	100.00
4090	2650020	2ROCK		12,700.000	TON	15.000	109.25	0.00	208,121.25	100.00
Subtotal:	2ROCK	Rock Mat'l		19,750.000	TON	15.000	109.25		323,653.13	100.00
2020	215010	2RUB FENDER		120.000	LF	20.000	109.25	0.00	2,622.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
4020	715010	2RUB FENDER		120.000	LF	20.000	109.25	0.00	2,622.00	100.00
Subtotal:	2RUB FENDER	MWG 4"X6-1/2" FENDER		240.000	LF	20.000	109.25		5,244.00	100.00
2120	2110010	2SECURITY GA		2.000	EA	3,000.000	109.25	0.00	6,555.00	100.00
4130	2110010	2SECURITY GA		2.000	EA	3,000.000	109.25	0.00	6,555.00	100.00
Subtotal:	2SECURITY GA	Security Gate - Catwalks		4.000	EA	3,000.000	109.25		13,110.00	100.00
2050	245010	2SHEET PILE		1,809.000	LF	87.000	109.25	0.00	171,940.93	100.00
4050	745010	2SHEET PILE		2,093.000	LF	87.000	109.25	0.00	198,934.42	100.00
Subtotal:	2SHEET PILE	Conc Sheet Pile		3,902.000	LF	87.000	109.25		370,875.35	100.00
2040	71500	2SHEET PZC26		1,024,981.120	LB	0.900	109.25	0.00	1,007,812.69	100.00
4040	71500	2SHEET PZC26		930,980.000	LB	0.900	109.25	0.00	915,386.09	100.00
Subtotal:	2SHEET PZC26	Sheet Pile PZC26		1,955,961.120	LB	0.900	109.25		1,923,198.78	100.00
2020	215005	2SHEETS AZ13		807,556.020	LB	0.900	109.25	0.00	794,029.46	100.00
2030	71500	2SHEETS AZ13		236,225.500	LB	0.900	109.25	0.00	232,268.72	100.00
4020	715005	2SHEETS AZ13		277,434.360	LB	0.900	109.25	0.00	272,787.33	100.00
4030	71500	2SHEETS AZ13		236,225.000	LB	0.900	109.25	0.00	232,268.23	100.00
Subtotal:	2SHEETS AZ13	Sheet pile AZ13		1,557,440.880	LB	0.900	109.25		1,531,353.74	100.00
2040	71500	2SHT CORNER		204.000	LF	40.000	109.25	0.00	8,914.80	100.00
4040	71500	2SHT CORNER		200.000	LF	40.000	109.25	0.00	8,740.00	100.00
Subtotal:	2SHT CORNER	Sheetpile Corners		404.000	LF	40.000	109.25		17,654.80	100.00
2130	2120010	2SIGNS		22.000	EA	200.000	109.25	0.00	4,807.00	100.00
4140	2120010	2SIGNS		22.000	EA	200.000	109.25	0.00	4,807.00	100.00
Subtotal:	2SIGNS	Warning/Info Signs		44.000	EA	200.000	109.25		9,614.00	100.00
1200	2750010	2STAVE		120.000	EA	40.000	109.25	0.00	5,244.00	100.00
3020	2750010	2STAVE		96.000	EA	40.000	109.25	0.00	4,195.20	100.00
Subtotal:	2STAVE	HDPE Bearing Stave		216.000	EA	40.000	109.25		9,439.20	100.00
2020	215010	2STEEL PLATE		4,400.000	LB	0.550	109.25	0.00	2,643.85	100.00
4020	715010	2STEEL PLATE		4,400.000	LB	0.550	109.25	0.00	2,643.85	100.00
Subtotal:	2STEEL PLATE	Misc Steel Plate		8,800.000	LB	0.550	109.25		5,287.70	100.00
2050	2550050	2STL ABUT		1,870.000	LB	0.550	109.25	0.00	1,123.64	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
4050	7550050	2STL ABUT		1,870.000	LB	0.550	109.25	0.00	1,123.64	100.00
Subtotal:	2STL ABUT	Abutment Steel Pl & Hinge		3,740.000	LB	0.550	109.25		2,247.28	100.00
2050	242010	2STL FRAME		128,600.000	LB	2.000	109.25	0.00	280,991.00	100.00
4050	742010	2STL FRAME		142,500.000	LB	2.000	109.25	0.00	311,362.50	100.00
Subtotal:	2STL FRAME	Prefabbed Steel Frame		271,100.000	LB	2.000	109.25		592,353.50	100.00
1100	1100020	2STL PLATE		100,000.000	LB	0.550	109.25	0.00	60,087.50	100.00
3010	1100020	2STL PLATE		100,000.000	LB	0.550	109.25	0.00	60,087.50	100.00
Subtotal:	2STL PLATE	Steel Plate		200,000.000	LB	0.550	109.25		120,175.00	100.00
2020	225010	2TIE ROD		1,100.000	LB	4.500	109.25	0.00	5,407.88	100.00
4020	725010	2TIE ROD		600.000	LB	4.500	109.25	0.00	2,949.75	100.00
Subtotal:	2TIE ROD	Tie-Rod and Nuts		1,700.000	LB	4.500	109.25		8,357.63	100.00
2050	242010	2TIMBER TR		1.460	MBFM	1,100.000	109.25	0.00	1,754.56	100.00
4050	742010	2TIMBER TR		1.460	MBFM	1,100.000	109.25	0.00	1,754.56	100.00
Subtotal:	2TIMBER TR	Treated Frame Timber 6x8		2.920	MBFM	1,100.000	109.25		3,509.12	100.00
2140	2130080	2TRANSFER SW		1.000	EA	4,000.000	109.25	0.00	4,370.00	100.00
4150	2130080	2TRANSFER SW		1.000	EA	4,000.000	109.25	0.00	4,370.00	100.00
Subtotal:	2TRANSFER SW	Transfer Switch & enclosure		2.000	EA	4,000.000	109.25		8,740.00	100.00
2020	225010	2WALER SYS		87,400.000	LB	0.550	109.25	0.00	52,516.48	100.00
4020	725010	2WALER SYS		29,484.000	LB	0.550	109.25	0.00	17,716.20	100.00
Subtotal:	2WALER SYS	Steel Waler Material		116,884.000	LB	0.550	109.25		70,232.68	100.00
2060	2500010	2WASHER2.5		560.000	EA	1.500	109.25	0.00	917.70	100.00
4060	2500010	2WASHER2.5		200.000	EA	1.500	109.25	0.00	327.75	100.00
Subtotal:	2WASHER2.5	Washer 3/4"x2.5"		760.000	EA	1.500	109.25		1,245.45	100.00
2050	242010	2WASHER5/8		100.000	EA	0.100	109.25	0.00	10.93	100.00
4050	742010	2WASHER5/8		100.000	EA	0.100	109.25	0.00	10.93	100.00
Subtotal:	2WASHER5/8	Washer - 5/8"		200.000	EA	0.100	109.25		21.86	100.00
COST TYPE TOTAL									13,169,051.00	
1100	1100020	35105		200.000	CY	45.000	100.00	0.00	9,000.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
3010	1100020	35105		200.000	CY	45.000	100.00	0.00	9,000.00	100.00
Subtotal:	35105	Disposal Fee-Conc/Rebar		400.000	CY	45.000	100.00		18,000.00	100.00
1100	1100015	3BARGEDESIGN		1.000	LS	200,000.000	100.00	0.00	200,000.00	100.00
3010	1100015	3BARGEDESIGN		1.000	LS	200,000.000	100.00	0.00	200,000.00	100.00
Subtotal:	3BARGEDESIGN	Barge Design		2.000	LS	200,000.000	100.00		400,000.00	100.00
2050	240045	3CUR00		2,400.000	SF	0.080	100.00	1.00	192.00	100.00
4050	740045	3CUR00		2,370.000	SF	0.080	100.00	1.00	189.60	100.00
Subtotal:	3CUR00	Curing Compound		4,770.000	SF	0.080	100.00		381.60	100.00
1100	1100030	3DRY DOCK		25.000	DAY	3,000.000	100.00	0.00	75,000.00	100.00
1200	2750060	3DRY DOCK		3.000	DAY	3,000.000	100.00	0.00	9,000.00	100.00
3010	1100030	3DRY DOCK		25.000	DAY	3,000.000	100.00	0.00	75,000.00	100.00
3020	2750060	3DRY DOCK		3.000	DAY	3,000.000	100.00	0.00	9,000.00	100.00
Subtotal:	3DRY DOCK	Dry Dock Cost		56.000	DAY	3,000.000	100.00		168,000.00	100.00
2020	215015	3DUNNAGE		8.520	MBM	900.000	100.00	0.00	7,668.00	100.00
2030	71533	3DUNNAGE		3.010	MBM	900.000	100.00	0.00	2,709.00	100.00
2040	71533	3DUNNAGE		3.010	MBM	900.000	100.00	0.00	2,709.00	100.00
2050	235015	3DUNNAGE		1.400	MBM	900.000	100.00	0.00	1,260.00	100.00
4020	715015	3DUNNAGE		5.590	MBM	900.000	100.00	0.00	5,031.00	100.00
4030	71533	3DUNNAGE		3.010	MBM	900.000	100.00	0.00	2,709.00	100.00
4040	71533	3DUNNAGE		3.010	MBM	900.000	100.00	0.00	2,709.00	100.00
4050	735015	3DUNNAGE		1.400	MBM	900.000	100.00	0.00	1,260.00	100.00
Subtotal:	3DUNNAGE	Dunnage		28.950	MBM	900.000	100.00		26,055.00	100.00
2050	240005	3FOR03		1,245.000	SF	0.800	100.00	1.00	996.00	100.00
4050	740005	3FOR03		1,215.000	SF	0.800	100.00	1.00	972.00	100.00
Subtotal:	3FOR03	Form Plywood, 3/4"		2,460.000	SF	0.800	100.00		1,968.00	100.00
2050	240005	3FOR11		2.490	MBFM	800.000	100.00	1.00	1,992.00	100.00
4050	740005	3FOR11		2.430	MBFM	800.000	100.00	1.00	1,944.00	100.00
Subtotal:	3FOR11	Form lumber, 2x4's		4.920	MBFM	800.000	100.00		3,936.00	100.00
2050	240005	3FOR30		1,245.000	SF	0.330	100.00	1.00	410.85	100.00
4050	740005	3FOR30		1,215.000	SF	0.330	100.00	1.00	400.95	100.00
Subtotal:	3FOR30	Form oil,ties,nails		2,460.000	SF	0.330	100.00		811.80	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
1100	1100070	3FREIGHT		1.000	LS	2,400.000	100.00	0.00	2,400.00	100.00
1100	1100080	3FREIGHT		1.000	LS	2,400.000	100.00	0.00	2,400.00	100.00
1200	2750005	3FREIGHT		1.000	LS	12,800.000	100.00	0.00	12,800.00	100.00
1200	2750010	3FREIGHT		1.000	LS	18,000.000	100.00	0.00	18,000.00	100.00
1200	2750015	3FREIGHT		1.000	LS	3,000.000	100.00	0.00	3,000.00	100.00
2020	215005	3FREIGHT		1.000	LS	15,000.000	100.00	0.00	15,000.00	100.00
2020	215012	3FREIGHT		1.000	LS	7,600.000	100.00	0.00	7,600.00	100.00
2020	220005	3FREIGHT		1.000	LS	13,000.000	100.00	0.00	13,000.00	100.00
2020	225010	3FREIGHT		1.000	LS	2,400.000	100.00	0.00	2,400.00	100.00
2020	225015	3FREIGHT		1.000	LS	1,600.000	100.00	0.00	1,600.00	100.00
2030	71500	3FREIGHT		1.000	LS	5,000.000	100.00	0.00	5,000.00	100.00
2040	71500	3FREIGHT		1.000	LS	17,600.000	100.00	0.00	17,600.00	100.00
2050	235005	3FREIGHT		1.000	LS	2,000.000	100.00	0.00	2,000.00	100.00
2050	242010	3FREIGHT		1.000	LS	2,400.000	100.00	0.00	2,400.00	100.00
2060	2500010	3FREIGHT		1.000	LS	2,400.000	100.00	0.00	2,400.00	100.00
2100	2800005	3FREIGHT		1.000	LS	3,200.000	100.00	0.00	3,200.00	100.00
2110	713196	3FREIGHT		1.000	LS	13,000.000	100.00	0.00	13,000.00	100.00
2140	2130040	3FREIGHT		1.000	LS	1,000.000	100.00	0.00	1,000.00	100.00
3010	1100070	3FREIGHT		1.000	LS	9,600.000	100.00	0.00	9,600.00	100.00
3010	1100080	3FREIGHT		1.000	LS	2,400.000	100.00	0.00	2,400.00	100.00
3020	2750005	3FREIGHT		1.000	LS	10,500.000	100.00	0.00	10,500.00	100.00
3020	2750010	3FREIGHT		1.000	LS	12,000.000	100.00	0.00	12,000.00	100.00
3020	2750015	3FREIGHT		1.000	LS	3,000.000	100.00	0.00	3,000.00	100.00
4020	715005	3FREIGHT		1.000	LS	5,600.000	100.00	0.00	5,600.00	100.00
4020	715012	3FREIGHT		1.000	LS	2,800.000	100.00	0.00	2,800.00	100.00
4020	720005	3FREIGHT		1.000	LS	26,000.000	100.00	0.00	26,000.00	100.00
4020	725015	3FREIGHT		1.000	LS	400.000	100.00	0.00	400.00	100.00
4030	71500	3FREIGHT		1.000	LS	4,800.000	100.00	0.00	4,800.00	100.00
4040	71500	3FREIGHT		1.000	LS	16,800.000	100.00	0.00	16,800.00	100.00
4050	735005	3FREIGHT		1.000	LS	4,800.000	100.00	0.00	4,800.00	100.00
4050	742010	3FREIGHT		1.000	LS	5,600.000	100.00	0.00	5,600.00	100.00
4060	2500010	3FREIGHT		1.000	LS	1,600.000	100.00	0.00	1,600.00	100.00
4100	2800005	3FREIGHT		1.000	LS	3,200.000	100.00	0.00	3,200.00	100.00
4110	713196	3FREIGHT		1.000	LS	13,000.000	100.00	0.00	13,000.00	100.00
4150	2130040	3FREIGHT		1.000	LS	1,000.000	100.00	0.00	1,000.00	100.00
Subtotal:	3FREIGHT	Freight Allowance		35.000	LS		100.00		247,900.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
2100	2800005	3MISC STEEL		20,000.000	LB	0.600	100.00	0.00	12,000.00	100.00
4100	2800005	3MISC STEEL		20,000.000	LB	0.600	100.00	0.00	12,000.00	100.00
Subtotal:	3MISC STEEL	Misc Steel Materials		40,000.000	LB	0.600	100.00		24,000.00	100.00
1200	2750030	3OXY00		10.000	SH	50.000	100.00	0.00	500.00	100.00
2020	215040	3OXY00		3.000	SH	50.000	100.00	0.00	150.00	100.00
2020	220025	3OXY00		9.620	SH	50.000	100.00	0.00	481.00	100.00
2020	220055	3OXY00		1.330	SH	50.000	100.00	0.00	66.50	100.00
2030	71554	3OXY00		0.000	SH	50.000	100.00	0.00	0.00	100.00
2040	71554	3OXY00		0.000	SH	50.000	100.00	0.00	0.00	100.00
2050	235023	3OXY00		8.000	SH	50.000	100.00	0.00	400.00	100.00
2050	235030	3OXY00		3.000	SH	50.000	100.00	0.00	150.00	100.00
2060	2500030	3OXY00		6.180	SH	50.000	100.00	0.00	309.00	100.00
2100	2800005	3OXY00		8.000	SH	50.000	100.00	0.00	400.00	100.00
2110	71342	3OXY00		1.800	SH	50.000	100.00	0.00	90.00	100.00
3020	2750030	3OXY00		10.000	SH	50.000	100.00	0.00	500.00	100.00
4020	715040	3OXY00		3.000	SH	50.000	100.00	0.00	150.00	100.00
4020	720025	3OXY00		3.600	SH	50.000	100.00	0.00	180.00	100.00
4020	720055	3OXY00		0.430	SH	50.000	100.00	0.00	21.50	100.00
4030	71554	3OXY00		0.000	SH	50.000	100.00	0.00	0.00	100.00
4040	71554	3OXY00		0.000	SH	50.000	100.00	0.00	0.00	100.00
4050	735023	3OXY00		10.510	SH	50.000	100.00	0.00	525.50	100.00
4050	735030	3OXY00		3.000	SH	50.000	100.00	0.00	150.00	100.00
4060	2500030	3OXY00		3.220	SH	50.000	100.00	0.00	161.00	100.00
4100	2800005	3OXY00		8.000	SH	50.000	100.00	0.00	400.00	100.00
4110	71342	3OXY00		1.800	SH	50.000	100.00	0.00	90.00	100.00
Subtotal:	3OXY00	Oxygen & Acetylene		94.490	SH	50.000	100.00		4,724.50	100.00
2100	2800005	3PILE STL		133,200.000	LB	0.900	100.00	0.00	119,880.00	100.00
4100	2800005	3PILE STL		133,200.000	LB	0.900	100.00	0.00	119,880.00	100.00
Subtotal:	3PILE STL	Pipe Steel - 500tn		266,400.000	LB	0.900	100.00		239,760.00	100.00
2050	245050	3RIGGING		1.000	LS	2,000.000	100.00	0.00	2,000.00	100.00
4050	745050	3RIGGING		1.000	LS	2,000.000	100.00	0.00	2,000.00	100.00
Subtotal:	3RIGGING	Rigging Allowance		2.000	LS	2,000.000	100.00		4,000.00	100.00
2070	3805	3SILTBARRIER		700.000	LF	25.000	100.00	0.00	17,500.00	100.00
Subtotal:	3SILTBARRIER	Silt Barrier - 25'		700.000	LF	25.000	100.00		17,500.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
4120	7900010	3SOIL TREAT		5,930.000	CY	5.000	100.00	0.00	29,650.00	100.00
Subtotal:	3SOIL TREAT	Soil Treatment		5,930.000	CY	5.000	100.00		29,650.00	100.00
2100	2800005	3STRAIN JACK		4.000	EA	15,000.000	100.00	0.00	60,000.00	100.00
4100	2800005	3STRAIN JACK		4.000	EA	15,000.000	100.00	0.00	60,000.00	100.00
Subtotal:	3STRAIN JACK	Strand Jack		8.000	EA	15,000.000	100.00		120,000.00	100.00
2020	215040	3TEMP PILE		14,400.000	LB	0.550	100.00	0.00	7,920.00	100.00
2030	71554	3TEMP PILE		0.020	LB	0.550	100.00	0.00	0.01	100.00
2040	71554	3TEMP PILE		0.020	LB	0.550	100.00	0.00	0.01	100.00
2050	235035	3TEMP PILE		19,200.000	LB	0.550	100.00	0.00	10,560.00	100.00
4020	715040	3TEMP PILE		14,400.000	LB	0.550	100.00	0.00	7,920.00	100.00
4030	71554	3TEMP PILE		0.020	LB	0.550	100.00	0.00	0.01	100.00
4040	71554	3TEMP PILE		0.020	LB	0.550	100.00	0.00	0.01	100.00
4050	735035	3TEMP PILE		28,800.000	LB	0.550	100.00	0.00	15,840.00	100.00
Subtotal:	3TEMP PILE	Temp. Pipe Pile		76,800.080	LB	0.550	100.00		42,240.04	100.00
2050	235030	3TEMP STEEL		2,000.000	LB	0.550	100.00	0.00	1,100.00	100.00
4050	735030	3TEMP STEEL		2,000.000	LB	0.550	100.00	0.00	1,100.00	100.00
Subtotal:	3TEMP STEEL	Temporary Steel		4,000.000	LB	0.550	100.00		2,200.00	100.00
2020	215040	3TEMPLATE		7,000.000	LB	0.550	100.00	0.00	3,850.00	100.00
2030	71554	3TEMPLATE		0.010	LB	0.550	100.00	0.00	0.01	100.00
2040	71554	3TEMPLATE		0.010	LB	0.550	100.00	0.00	0.01	100.00
4020	715040	3TEMPLATE		7,000.000	LB	0.550	100.00	0.00	3,850.00	100.00
4030	71554	3TEMPLATE		0.010	LB	0.550	100.00	0.00	0.01	100.00
4040	71554	3TEMPLATE		0.010	LB	0.550	100.00	0.00	0.01	100.00
Subtotal:	3TEMPLATE	Driving Template, Sheet		14,000.040	LB	0.550	100.00		7,700.04	100.00
1200	2750030	3WEL00		20.000	SH	100.000	100.00	0.00	2,000.00	100.00
2020	215040	3WEL00		3.000	SH	100.000	100.00	0.00	300.00	100.00
2020	215053	3WEL00		8.000	SH	100.000	100.00	0.00	800.00	100.00
2020	220025	3WEL00		38.470	SH	100.000	100.00	0.00	3,847.00	100.00
2030	71554	3WEL00		0.000	SH	100.000	100.00	0.00	0.00	100.00
2040	71554	3WEL00		0.000	SH	100.000	100.00	0.00	0.00	100.00
2050	235023	3WEL00		32.000	SH	100.000	100.00	0.00	3,200.00	100.00
2050	235030	3WEL00		3.000	SH	100.000	100.00	0.00	300.00	100.00
2060	2500030	3WEL00		6.180	SH	100.000	100.00	0.00	618.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
2100	2800005	3WEL00		8.000	SH	100.000	100.00	0.00	800.00	100.00
2110	71342	3WEL00		7.210	SH	100.000	100.00	0.00	721.00	100.00
3020	2750030	3WEL00		20.000	SH	100.000	100.00	0.00	2,000.00	100.00
4020	715040	3WEL00		3.000	SH	100.000	100.00	0.00	300.00	100.00
4020	715053	3WEL00		8.000	SH	100.000	100.00	0.00	800.00	100.00
4020	720025	3WEL00		14.390	SH	100.000	100.00	0.00	1,439.00	100.00
4030	71554	3WEL00		0.000	SH	100.000	100.00	0.00	0.00	100.00
4040	71554	3WEL00		0.000	SH	100.000	100.00	0.00	0.00	100.00
4050	735023	3WEL00		42.010	SH	100.000	100.00	0.00	4,201.00	100.00
4050	735030	3WEL00		3.000	SH	100.000	100.00	0.00	300.00	100.00
4060	2500030	3WEL00		3.220	SH	100.000	100.00	0.00	322.00	100.00
4100	2800005	3WEL00		8.000	SH	100.000	100.00	0.00	800.00	100.00
4110	71342	3WEL00		7.210	SH	100.000	100.00	0.00	721.00	100.00
Subtotal: 3WEL00		Welding Mat'ls		234.690	SH	100.000	100.00		23,469.00	100.00
90000000	W08050005	3ZB10		0.000	LS	5,000.000	100.00	0.00	0.00	100.00
Subtotal: 3ZB10		Partnering Session		0.000	LS	5,000.000	100.00		0.00	100.00
90000000	W08050005	3ZE200		0.000	HR	50.000	100.00	0.00	0.00	100.00
Subtotal: 3ZE200		Inspector Overtime		0.000	HR	50.000	100.00		0.00	100.00
90000000	W08060005	3ZE201		1.000	LS	10,000.000	100.00	0.00	10,000.00	100.00
Subtotal: 3ZE201		Soils Testing		1.000	LS	10,000.000	100.00		10,000.00	100.00
90000000	W08060005	3ZE202		1.000	LS	5,000.000	100.00	0.00	5,000.00	100.00
Subtotal: 3ZE202		Concrete Testing		1.000	LS	5,000.000	100.00		5,000.00	100.00
90000000	W08060005	3ZE205		1.000	LS	5,000.000	100.00	0.00	5,000.00	100.00
Subtotal: 3ZE205		Contamination Testing		1.000	LS	5,000.000	100.00		5,000.00	100.00
90000000	W08060005	3ZE206		1.000	LS	5,000.000	100.00	0.00	5,000.00	100.00
Subtotal: 3ZE206		Air Quality Testing		1.000	LS	5,000.000	100.00		5,000.00	100.00
90000000	W08060005	3ZE216		120.000	HR	150.000	100.00	0.00	18,000.00	100.00
Subtotal: 3ZE216		Geotechnical Engineer		120.000	HR	150.000	100.00		18,000.00	100.00
90000000	W08030005	3ZE400		1.000	LS	10,000.000	100.00	0.00	10,000.00	100.00
Subtotal: 3ZE400		QC: Quality Control Plan		1.000	LS	10,000.000	100.00		10,000.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
90000000	W08040005	3ZF10		13.000	MO	1,500.000	100.00	0.00	19,500.00	100.00
Subtotal:	3ZF10	Office - Site		13.000	MO	1,500.000	100.00		19,500.00	100.00
90000000	W08040005	3ZF100		1.000	EA	2,000.000	100.00	0.00	2,000.00	100.00
Subtotal:	3ZF100	Setup Office Facility		1.000	EA	2,000.000	100.00		2,000.00	100.00
90000000	W08040005	3ZF16		26.000	MO	300.000	100.00	0.00	7,800.00	100.00
Subtotal:	3ZF16	Storage Trailer		26.000	MO	300.000	100.00		7,800.00	100.00
90000000	W08040005	3ZF18		13.000	MO	300.000	100.00	0.00	3,900.00	100.00
Subtotal:	3ZF18	Storage Container		13.000	MO	300.000	100.00		3,900.00	100.00
90000000	W08050005	3ZF20		1.000	LS	1,000.000	100.00	0.00	1,000.00	100.00
Subtotal:	3ZF20	Office Furniture		1.000	LS	1,000.000	100.00		1,000.00	100.00
90000000	W08040005	3ZF30		52.000	MO	90.000	100.00	0.00	4,680.00	100.00
Subtotal:	3ZF30	Portable Toilets		52.000	MO	90.000	100.00		4,680.00	100.00
90000000	W08050005	3ZF34		13.000	MO	400.000	100.00	0.00	5,200.00	100.00
Subtotal:	3ZF34	Utilities - Site Office		13.000	MO	400.000	100.00		5,200.00	100.00
90000000	W08050005	3ZF40		0.000	LS	500.000	100.00	0.00	0.00	100.00
Subtotal:	3ZF40	Telephone - Install		0.000	LS	500.000	100.00		0.00	100.00
90000000	W08050005	3ZF42		0.000	MO	100.000	100.00	0.00	0.00	100.00
Subtotal:	3ZF42	Telephone - Site Office		0.000	MO	100.000	100.00		0.00	100.00
90000000	W08050005	3ZF46		13.000	MO	500.000	100.00	0.00	6,500.00	100.00
Subtotal:	3ZF46	Cell Phone Charges		13.000	MO	500.000	100.00		6,500.00	100.00
90000000	W08050005	3ZF50		13.000	MO	60.000	100.00	0.00	780.00	100.00
Subtotal:	3ZF50	Jobsite Photos: Film & Proce		13.000	MO	60.000	100.00		780.00	100.00
90000000	W08050005	3ZF54		0.000	MO	350.000	100.00	0.00	0.00	100.00
Subtotal:	3ZF54	Aerial Photos		0.000	MO	350.000	100.00		0.00	100.00
90000000	W08050005	3ZF58		13.000	MO	150.000	100.00	0.00	1,950.00	100.00
Subtotal:	3ZF58	Water and Ice		13.000	MO	150.000	100.00		1,950.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
90000000	W08040005	3ZF60		2.000	EA	800.000	100.00	0.00	1,600.00	100.00
Subtotal:	3ZF60	Project Sign		2.000	EA	800.000	100.00		1,600.00	100.00
90000000	W08050005	3ZF62		13.000	MO	100.000	100.00	0.00	1,300.00	100.00
Subtotal:	3ZF62	Signs & Barricades		13.000	MO	100.000	100.00		1,300.00	100.00
90000000	W08050005	3ZF64		13.000	MO	100.000	100.00	0.00	1,300.00	100.00
Subtotal:	3ZF64	Barriers & Warning Lights		13.000	MO	100.000	100.00		1,300.00	100.00
90000000	W08040005	3ZF70		0.000	LF	10.000	100.00	0.00	0.00	100.00
Subtotal:	3ZF70	Temporary Fence		0.000	LF	10.000	100.00		0.00	100.00
90000000	W08040005	3ZF72		1.000	LS	0.000	100.00	0.00	0.00	100.00
Subtotal:	3ZF72	Temporary Road		1.000	LS	0.000	100.00		0.00	100.00
90000000	W08040005	3ZF74		13.000	MO	1,000.000	100.00	0.00	13,000.00	100.00
Subtotal:	3ZF74	Public Road Maintenance		13.000	MO	1,000.000	100.00		13,000.00	100.00
90000000	W08040005	3ZF80		0.000	MO	200.000	100.00	0.00	0.00	100.00
Subtotal:	3ZF80	Yard Rental		0.000	MO	200.000	100.00		0.00	100.00
90000000	W08080005	3ZF90		0.030	%BL	2,811,000.000	100.00	0.00	84,330.00	100.00
Subtotal:	3ZF90	Buy Safety Equipment		0.030	%BL	2,811,000.000	100.00		84,330.00	100.00
90000000	W08080005	3ZF91		26.000	MO	100.000	100.00	0.00	2,600.00	100.00
Subtotal:	3ZF91	Safety Supplies		26.000	MO	100.000	100.00		2,600.00	100.00
90000000	W08092005	3ZM50		0.000	LS	0.000	100.00	0.00	0.00	100.00
Subtotal:	3ZM50	Clean Up Site		0.000	LS	0.000	100.00		0.00	100.00
90000000	W08092005	3ZM55		13.000	EA	500.000	100.00	0.00	6,500.00	100.00
Subtotal:	3ZM55	Delivery of Waste Container		13.000	EA	500.000	100.00		6,500.00	100.00
90000000	W08092005	3ZM550		13.000	MOS	500.000	100.00	0.00	6,500.00	100.00
Subtotal:	3ZM550	Monthly Rental: Waste Bin		13.000	MOS	500.000	100.00		6,500.00	100.00
90000000	W08092005	3ZM60		0.000	LS	0.000	100.00	0.00	0.00	100.00
Subtotal:	3ZM60	Punch List Costs		0.000	LS	0.000	100.00		0.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
90000000	W08091005	3ZS20		0.050	%BL	2,811,000.000	100.00	0.00	140,550.00	100.00
Subtotal:	3ZS20	Small Tools & Supplies		0.050	%BL	2,811,000.000	100.00		140,550.00	100.00
90000000	W08080005	3ZSS08		13.000	EA	200.000	100.00	0.00	2,600.00	100.00
Subtotal:	3ZSS08	Safety Signs		13.000	EA	200.000	100.00		2,600.00	100.00
90000000	W08080005	3ZSS12		0.000	LF	10.000	100.00	0.00	0.00	100.00
Subtotal:	3ZSS12	Safety Rails		0.000	LF	10.000	100.00		0.00	100.00
90000000	W08080010	3ZSS16		1.000	LS	4,000.000	100.00	0.00	4,000.00	100.00
Subtotal:	3ZSS16	Safety Training		1.000	LS	4,000.000	100.00		4,000.00	100.00
90000000	W08090005	3ZT10		1.000	LS	0.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT10	Travel		1.000	LS	0.000	100.00		0.00	100.00
90000000	W08090005	3ZT16		0.000	DAY	50.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT16	Car Rental		0.000	DAY	50.000	100.00		0.00	100.00
90000000	W08090005	3ZT18		0.000	EA	1,000.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT18	Airfare R/T Ticket		0.000	EA	1,000.000	100.00		0.00	100.00
90000000	W08090005	3ZT19		0.000	DAY	38.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT19	Hourly: Meal Allowance		0.000	DAY	38.000	100.00		0.00	100.00
90000000	W08090005	3ZT21		0.000	MO	2,500.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT21	Per Diem: Salary		0.000	MO	2,500.000	100.00		0.00	100.00
90000000	W08090005	3ZT22		0.000	MO	1,500.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT22	Living Allowance		0.000	MO	1,500.000	100.00		0.00	100.00
90000000	W08090005	3ZT24		0.000	ROOM	150.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT24	Hotel Accomodations		0.000	ROOM	150.000	100.00		0.00	100.00
90000000	W08090005	3ZT30		1.000	LS	0.000	100.00	0.00	0.00	100.00
Subtotal:	3ZT30	Relocation Allowance		1.000	LS	0.000	100.00		0.00	100.00
90000000	W08093009	3ZUNSCH		2,811,000.000	%BL	0.050	100.00	0.00	140,550.00	100.00
Subtotal:	3ZUNSCH	Unscheduled Overtime		2,811,000.000	%BL	0.050	100.00		140,550.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
90000000	W08092005	3ZW10		0.000	LS	0.000	100.00	0.00	0.00	100.00
Subtotal:	3ZW10	Warranty Expenses		0.000	LS	0.000	100.00		0.00	100.00
COST TYPE TOTAL									1,893,435.98	
2010	10010	4CLE00		2.760	ACRE	5,000.000	100.00	0.00	13,800.00	100.00
4010	10010	4CLE00		2.760	ACRE	5,000.000	100.00	0.00	13,800.00	100.00
Subtotal:	4CLE00	Sub to Clear & Grub		5.520	ACRE	5,000.000	100.00		27,600.00	100.00
2050	242050	4DIV00		1.500	SH	4,600.000	100.00	0.00	6,900.00	100.00
2050	245090	4DIV00		1.170	SH	4,600.000	100.00	0.00	5,382.00	100.00
2100	2800020	4DIV00		1.000	SH	4,600.000	100.00	0.00	4,600.00	100.00
4050	742050	4DIV00		1.700	SH	4,600.000	100.00	0.00	7,820.00	100.00
4050	745090	4DIV00		1.370	SH	4,600.000	100.00	0.00	6,302.00	100.00
4100	2800020	4DIV00		1.000	SH	4,600.000	100.00	0.00	4,600.00	100.00
Subtotal:	4DIV00	Diving Sub		7.740	SH	4,600.000	100.00		35,604.00	100.00
2140	2130040	4ELE00		1.000	SH	1,000.000	100.00	0.00	1,000.00	100.00
2140	2130060	4ELE00		1.000	LS	20,000.000	100.00	0.00	20,000.00	100.00
2140	2130070	4ELE00		2.000	SH	1,000.000	100.00	0.00	2,000.00	100.00
2140	2130080	4ELE00		1.000	SH	1,000.000	100.00	0.00	1,000.00	100.00
2140	2130090	4ELE00		2.000	SH	1,000.000	100.00	0.00	2,000.00	100.00
4150	2130040	4ELE00		1.000	SH	1,000.000	100.00	0.00	1,000.00	100.00
4150	2130060	4ELE00		1.000	LS	17,000.000	100.00	0.00	17,000.00	100.00
4150	2130070	4ELE00		2.000	SH	1,000.000	100.00	0.00	2,000.00	100.00
4150	2130080	4ELE00		1.000	SH	1,000.000	100.00	0.00	1,000.00	100.00
4150	2130090	4ELE00		2.000	SH	1,000.000	100.00	0.00	2,000.00	100.00
Subtotal:	4ELE00	Electrical Sub					100.00		49,000.00	100.00
2070	3860	4FEN00		400.000	LF	6.000	100.00	0.00	2,400.00	100.00
2120	2110030	4FEN00		180.000	LF	20.000	100.00	0.00	3,600.00	100.00
2120	2110040	4FEN00		1.000	LS	1,200.000	100.00	0.00	1,200.00	100.00
4130	2110030	4FEN00		180.000	LF	20.000	100.00	0.00	3,600.00	100.00
4130	2110040	4FEN00		1.000	LS	1,200.000	100.00	0.00	1,200.00	100.00
Subtotal:	4FEN00	Fencing Sub					100.00		12,000.00	100.00
1200	2750010	4HYD SUB		1.000	LS	300,000.000	100.00	0.00	300,000.00	100.00

MATERIALS REPORT

Biditem	Activity	Resource	Sel Vendor	Quantity	Unit	Unit Cost	%	Pcs/W	Total	Esc %
3020	2750010	4HYD SUB		1.000	LS	300,000.000	100.00	0.00	300,000.00	100.00
Subtotal:	4HYD SUB	Hydraulic Sub Installation		2.000	LS	300,000.000	100.00		600,000.00	100.00
2010	10030	4HYD00		2.760	ACRE	1,500.000	100.00	0.00	4,140.00	100.00
3010	1100090	4HYD00		2.000	ACRE	1,500.000	100.00	0.00	3,000.00	100.00
Subtotal:	4HYD00	hydroseeding		4.760	ACRE	1,500.000	100.00		7,140.00	100.00
1100	1100020	4PAI00		1.000	LS	100,000.000	100.00	0.00	100,000.00	100.00
1200	2750012	4PAI00		5,500.000	SF	4.000	100.00	0.00	22,000.00	100.00
2020	215012	4PAI00		17,000.000	SF	4.000	100.00	0.00	68,000.00	100.00
2020	220015	4PAI00		4,000.000	SF	4.000	100.00	0.00	16,000.00	100.00
2020	225015	4PAI00		9,000.000	SF	4.000	100.00	0.00	36,000.00	100.00
2050	242015	4PAI00		6,000.000	SF	4.000	100.00	0.00	24,000.00	100.00
3010	1100020	4PAI00		1.000	LS	100,000.000	100.00	0.00	100,000.00	100.00
3020	2750012	4PAI00		4,000.000	SF	4.000	100.00	0.00	16,000.00	100.00
4020	715012	4PAI00		6,000.000	SF	4.000	100.00	0.00	24,000.00	100.00
4020	720015	4PAI00		1,600.000	SF	4.000	100.00	0.00	6,400.00	100.00
4020	725015	4PAI00		2,000.000	SF	4.000	100.00	0.00	8,000.00	100.00
4020	742015	4PAI00		6,000.000	SF	4.000	100.00	0.00	24,000.00	100.00
4050	742015	4PAI00		6,500.000	SF	4.000	100.00	0.00	26,000.00	100.00
Subtotal:	4PAI00	Painting Sub					100.00		470,400.00	100.00
2050	240025	4REB00		7,440.000	LB	1.000	100.00	1.00	7,440.00	100.00
4050	740025	4REB00		3,850.000	LB	1.000	100.00	1.00	3,850.00	100.00
Subtotal:	4REB00	Sub F&I Rebar		11,290.000	LB	1.000	100.00		11,290.00	100.00

COST TYPE TOTAL

1,213,034.00

REPORT TOTAL

16,275,520.98

Cost Types Selected: Permanent Materials, Construction Materials, Subcontractor, Other Non-labor/equipment ResourcesMisc1, Misc2, Misc3

Subtotal selected vendor, quantity, units, and unit price only display if they are the same for all line items in the subtotal.