

**ATTACHMENT A  
REACH A COST ESTIMATE**

**TABLE A-3. COST CALCULATION  
CFR OU CAPITAL COSTS, MONITORING AND MAINTENANCE  
(Phases 4, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22)**

Construction Year	Year	Phases Under Construction	Capital	Phases Under Construction	Capital	Total Capital all Phases Under Construction	Monitoring & Maintenance			Total Costs	RETURN %	INFLATION %	Remaining Balance or Shortfall
							Monitoring	Agency Costs	Maintenance Actions (IC/BMP/Weed Control/Repairs)		2.00374%	1.73%	
												\$105,685,183	<i>Starting Balance (Actual combined fund balance)</i>
1	2023	4A	\$5,597,872		\$0	\$5,600,000	\$210,000	\$350,000	\$300,000	\$6,460,000	\$105,685,183	\$6,571,758	\$99,113,425
2	2024	7	\$4,055,880		\$0	\$4,060,000	\$210,000	\$350,000	\$300,000	\$4,920,000	\$101,099,400	\$5,091,705	\$96,007,696
3	2025	10	\$6,860,497	13	\$3,379,965	\$10,240,000	\$210,000	\$350,000	\$300,000	\$11,100,000	\$97,931,440	\$11,686,114	\$86,245,327
4	2026	11	\$7,853,784	14	\$805,602	\$8,660,000	\$210,000	\$350,000	\$300,000	\$9,520,000	\$87,973,459	\$10,196,077	\$77,777,381
5	2027	12A	\$4,275,048		\$0	\$4,280,000	\$210,000	\$350,000	\$300,000	\$5,140,000	\$79,335,838	\$5,600,262	\$73,735,576
6	2028	12B	\$4,275,048		\$0	\$4,280,000	\$210,000	\$350,000	\$300,000	\$5,140,000	\$75,213,045	\$5,697,146	\$69,515,899
7	2029	4B	\$2,662,858		\$0	\$2,660,000	\$210,000	\$350,000	\$300,000	\$3,520,000	\$70,908,816	\$3,969,045	\$66,939,772
8	2030	8	\$4,268,641		\$0	\$4,270,000	\$210,000	\$350,000	\$300,000	\$5,130,000	\$68,281,071	\$5,884,502	\$62,396,569
9	2031	9	\$7,245,836		\$0	\$7,250,000	\$210,000	\$350,000	\$300,000	\$8,110,000	\$63,646,834	\$9,463,728	\$54,183,106
10	2032	17A	\$4,195,996		\$0	\$4,200,000	\$210,000	\$350,000	\$300,000	\$5,060,000	\$55,268,794	\$6,006,769	\$49,262,025
11	2033	17B	\$4,195,996		\$0	\$4,200,000	\$210,000	\$350,000	\$300,000	\$5,060,000	\$50,249,108	\$6,110,687	\$44,138,421
12	2034	18	\$4,214,548		\$0	\$4,210,000	\$210,000	\$350,000	\$300,000	\$5,070,000	\$45,022,840	\$6,228,687	\$38,794,154
13	2035	19	\$4,281,944		\$0	\$4,280,000	\$210,000	\$350,000	\$300,000	\$5,140,000	\$39,571,488	\$6,423,928	\$33,147,559
14	2036	20	\$6,213,450		\$0	\$6,210,000	\$210,000	\$350,000	\$300,000	\$7,070,000	\$33,811,750	\$8,988,889	\$24,822,861
15	2037	21	\$5,661,372		\$0	\$5,660,000	\$210,000	\$350,000	\$300,000	\$6,520,000	\$25,320,246	\$8,433,023	\$16,887,224
16	2038	22	\$5,631,663		\$0	\$5,630,000	\$210,000	\$350,000	\$300,000	\$6,490,000	\$17,225,600	\$8,539,440	\$8,686,159
17	2039	C	\$1,700,000		\$0	\$1,700,000	\$210,000	\$350,000	\$300,000	\$2,560,000	\$8,860,207	\$3,426,681	\$5,433,526
18	2040		\$0		\$0	\$0	\$210,000	\$100,000	\$300,000	\$610,000	\$5,542,400	\$830,640	\$4,711,760
19	2041		\$0		\$0	\$0	\$210,000	\$100,000	\$300,000	\$610,000	\$4,806,171	\$845,010	\$3,961,162
20	2042		\$0		\$0	\$0	\$210,000	\$100,000	\$100,000	\$410,000	\$4,040,533	\$577,783	\$3,462,750
21	2043		\$0		\$0	\$0	\$210,000	\$100,000	\$100,000	\$410,000	\$3,532,135	\$587,779	\$2,944,356
22	2044		\$0		\$0	\$0	\$210,000	\$100,000	\$100,000	\$410,000	\$3,003,353	\$597,947	\$2,405,406
23	2045		\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$2,453,604	\$0	\$2,453,604
24			\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals						\$87,390,000	\$4,620,000	\$6,450,000	\$6,000,000	\$104,460,000		\$121,757,600	

*Enter a Phase number in one or both columns for any given year. Add an "A" or "B" after the phase number to break it into two phases. Ensure all Phases are accounted for. Enter a "C" for the Closure.*

*NOTE: Agency Costs decrease after the project Closure. Maintenance Actions remain the same for two years after Closure then decrease. The projection extends for five*

**PERCENTAGE OF STREAMBANK TREATMENT TYPES**

Treatment Type	Percentage
Preserve Vegetation	5%
Brush Trench (point bars and lateral bars)	30%
Double Vegetated Soil Lift	5%
Brush Matrix	35%
Wood Enhanced Brush Matrix	25%
	100%

*NOTE: Make sure total = 100%*

**% ENGINEERING DESIGN COST**

10%

*NOTE: For all phases except 4 and 7*

**% CONSTRUCTION MANAGEMENT COST**

6%

**BORROW SOURCE LOCATION**

Phase	Onsite/Offsite
7	0
8	0
9	0
10	1
11	1
12	0
13	0
14	0
17	0
18	1
19	1
20	1
21	1
22	0

*NOTE: Phase 4 is onsite  
Enter "1" for onsite, enter "0" for offsite*

**REMOVAL VOLUME - 100 YEAR MEAN CMZ SCENARIO**

Phase	Percentage
4B	116%
7	116%
8	116%
9	116%
10	116%
11	116%
12	116%
13	116%
14	116%
17	116%
18	116%
19	116%
20	116%
21	116%
22	116%

*Enter a percentage for each phase. The percentage reflects the percent of removal within the CMZ scenario; percentages can be greater than 100% to reflect additional removals within the scenario.*

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**TABLE A-2. CAPITAL CONSTRUCTION COSTS**

Phase	Construction Cost	Engineering Design (X%)	Construction Management (X%)	Total Capital Costs
1				
2				
3*	\$11,975,461	\$0.00	\$718,527.66	\$12,693,989
4A**	\$3,781,058	\$113,431.73	\$226,863.45	\$4,121,353
4B**	\$2,442,989	\$73,289.66	\$146,579.33	\$2,662,858
5 & 6				
7***	\$3,738,138	\$93,453.45	\$224,288.29	\$4,055,880
8	\$3,679,863	\$367,986.30	\$220,791.78	\$4,268,641
9	\$6,246,411	\$624,641.06	\$374,784.63	\$7,245,836
10	\$5,914,222	\$591,422.16	\$354,853.30	\$6,860,497
11	\$6,770,503	\$677,050.31	\$406,230.19	\$7,853,784
12	\$7,370,773	\$737,077.28	\$442,246.37	\$8,550,096
13	\$2,913,763	\$291,376.32	\$174,825.79	\$3,379,965
14	\$694,484	\$69,448.45	\$41,669.07	\$805,602
15				
16				
17	\$7,234,476	\$723,447.61	\$434,068.57	\$8,391,992
18	\$3,633,231	\$363,323.06	\$217,993.84	\$4,214,548
19	\$3,691,331	\$369,133.07	\$221,479.84	\$4,281,944
20	\$5,356,422	\$535,642.20	\$321,385.32	\$6,213,450
21	\$4,880,493	\$488,049.30	\$292,829.58	\$5,661,372
22	\$4,854,882	\$485,488.19	\$291,292.91	\$5,631,663
<b>TOTAL PRICE:</b>	<b>\$85,178,499</b>			<b>\$96,893,469</b>

\*Phase 3 Construction Cost is the current bid price (currently under construction)

\*\*Phase 4A and 4B Engineering Design Cost Percentage is 3% (currently under design)

\*\*\*Phase 7 Engineering Design Cost Percentage is 2.5% (currently under design)

REFERENCE TABLE - DISPLAYS THE DATA ENTERED ON THE 'MASTER' SHEET	
ENGINEERING DESIGN COST PERCENTAGE	10%
CONSTRUCTION MANAGEMENT COST PERCENTAGE	6%

\*ALL PHASES EXCEPT 4 AND 7

**ATTACHMENT A  
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**TABLE A-1. PHASE 1 THROUGH PHASE 22 CUMULATIVE CONSTRUCTION ITEMS (QUANTITY AND TOTAL PRICE FOR PHASES 4B, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22 ONLY)**

BID ITEM	ESTIMATED QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE	SOURCE FOR UNIT PRICE
1	15	LS	Mobilization, Bonding and Insurance		\$ 6,311,089.10	10% of Items 2-19 + 21
2	875	AC	Floodplain Clearing and Grubbing	\$746.30	\$ 653,384.57	Phase 3 Ave 3 low bids
3	875	AC	Debris Disposal	\$116.22	\$ 101,750.44	Phase 3 Ave 3 low bids - converted to price per acre
4	15	LS	Traffic Control	\$188,170.47	\$ 2,728,471.82	Phase 3 Ave 3 low bids
5	875	AC	Fencing	\$2,408.79	\$ 2,108,892.17	Phase 3 Ave 3 low bids - converted to price per acre
6	875	AC	Erosion Control	\$3,106.79	\$ 2,719,990.17	Phase 3 Ave 3 low bids - converted to price per acre
7	875	AC	Haul Road	\$11,408.57	\$ 9,988,186.60	Phase 3 Ave 3 low bids - converted to price per acre, incl dust control & temp bridges
8	604	AC	Groundwater Dewatering	\$6,785.80	\$ 4,097,212.50	Phase 3 Ave 3 low bids - converted to price per acre
9	2,029,665	CY	Excavate, Haul and Place Tailings/Impacted Soils	VARIES	\$ 26,633,391.57	See 'Haul Costs by Phase' tab
10	148,166	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$ 580,808.83	Phase 3 Ave 3 low bids
11	59	AC	Develop and Reclaim Borrow Areas	\$705.00	\$ 41,808.87	Phase 3 Ave 3 low bids - converted to price per acre
12	311,789	CY	Excavate, Haul and Place Vegetative Backfill	VARIES	\$ 2,170,382.26	See 'Haul Costs by Phase' tab
13	382,061	CY	Excavate, Haul and Place Floodplain Alluvium	VARIES	\$ 2,473,748.78	See 'Haul Costs by Phase' tab
14	9,552	CY	Provide and Place Point Bar Alluvium	\$15.03	\$ 143,559.29	Phase 3 Ave 3 low bids
15	0	AC	Treat Wastes < 12 in.	\$1,590.00	\$ —	Anaconda RWW
16	0	AC	Treat Wastes > 12 in.	\$14,068.00	\$ —	Anaconda RWW
17	19,700	LF	Preserve Vegetation Bank Treatment	\$9.66	\$ 190,299.78	Phase 3 Ave 3 low bids
18	118,199	LF	Construct Brush Trench	\$5.92	\$ 699,735.82	Phase 3 Ave 3 low bids
	0	LF	Plant Willows behind Bank	\$5.45	\$ —	Bank Cost Spreadsheet
	0	LF	Construct Partial Bank	\$18.52	\$ —	Bank Cost Spreadsheet
19	19,700	LF	Construct DVSL Bank Treatment	\$37.62	\$ 741,105.34	Phase 3 Ave 3 low bids
20	137,898	LF	Brush Matrix	\$11.83	\$ 1,631,337.94	Phase 3 Ave 3 low bids
21	98,499	LF	Wood Enhanced Brush Matrix	\$11.83	\$ 1,165,241.38	Phase 3 Ave 3 low bids
22	12,825	CY	Construct Bank Toe	\$22.72	\$ 284,961.50	Phase 3 Ave 3 low bids
23	875	AC	Revegetation	\$4,306.00	\$ 3,769,896.80	
24	211	AC	Develop Microtopography and Place Woody Material	\$883.58	\$ 186,724.52	Phase 3 Ave 3 low bids
<b>TOTAL PRICE:</b>					<b>\$ 69,421,980.07</b>	

PHASE	LINER FEET	Preserve Vegetation	Brush Trench (Point Bars and Lateral Bars)	Double Vegetated Soil Lifts (DVSL)	Brush Matrix	Wood Enhanced Brush Matrix
Row added so Phase# is equal to row #						
4A	13,155	658	3947	658	4604	3289
4B	19428	971	5828	971	6800	4857
Row added so Phase# is equal to row #						
7	28,448	1422	8534	1422	9957	7112
8	24,911	1246	7473	1246	8719	6228
9	35,400	1770	10620	1770	12390	8850
10	37,278	1864	11183	1864	13047	9319
11	29,898	1495	8969	1495	10464	7475
12	34,357	1718	10307	1718	12025	8589
13	14,500	725	4350	725	5075	3625
14	11,795	590	3538	590	4128	2949
15	13,962	698	4189	698	4887	3491
16	15,166	758	4550	758	5308	3792
17	41,851	2093	12555	2093	14648	10463
18	22,018	1101	6605	1101	7706	5504
19	21,148	1057	6344	1057	7402	5287
20	25,364	1268	7609	1268	8877	6341
21	26,228	1311	7868	1311	9180	6557
22	21,373	1069	6412	1069	7481	5343
<b>TOTAL</b>	<b>436,279</b>	<b>21,814</b>	<b>130,884</b>	<b>21,814</b>	<b>152,698</b>	<b>109,070</b>

Total per Phase

13155  
19428  
  
28448  
24911  
35400  
37278  
29898  
34357  
14500  
11795  
13962  
15166  
41851  
22018  
21148  
25364  
26228  
21373

REFERENCE TABLE - DISPLAYS THE DATA ENTERED ON THE 'MASTER' SHEET	
Preserve Vegetation	5%
Brush Trench (point bars and lateral bars)	30%
Double Vegetated Soil Lift	5%
Brush Matrix	35%
Wood Enhanced Brush Matrix	25%
	100%

UCF PHASE	REMOVAL AREA (acres)*	REMOVAL VOLUME (cy)	BACKFILL AREA (acres)*	BACKFILL VOLUME (cy)	Alluvium Volume (cy)	Veg Backfill (cy)
Row added so Phase# is equal to row #						
Row added so Phase# is equal to row #						
Phase 4a*	47.0	149,530	31.9	68,444	42,711	25,733
Phase 4b	25.4	97,642	16.3	40,334	27,181	13,153
Row added so Phase# is equal to row #						
Phase 7	41.9	118,239	23.4	39,183	20,309	18,874
Phase 8	40.2	114,256	23.8	43,232	24,062	19,171
Phase 9	75.5	181,757	38.1	71,668	40,907	30,761
Phase 10	72.3	189,342	35.0	65,260	36,988	28,272
Phase 11	76.5	227,549	46.1	82,855	45,655	37,200
Phase 12	70.4	228,295	45.7	91,468	54,613	36,854
Phase 13***	29.1	93,984	8.7	17,126	10,147	6,979
Phase 14***	3.4	12,841	1.7	2,826	1,487	1,339
Row added so Phase# is equal to row #						
Row added so Phase# is equal to row #						
Phase 17**	79.8	194,135	34.2	45,093	17,520	27,574
Phase 18	40.5	93,926	18.2	29,245	14,580	14,666
Phase 19	40.7	95,896	18.2	30,889	16,232	14,657
Phase 20	57.7	143,495	30.1	54,469	30,190	24,278
Phase 21	52.7	126,774	21.9	34,160	16,469	17,692
Phase 22**	48.7	111,533	25.2	46,041	25,721	20,320
<b>TOTAL</b>	<b>801.7</b>	<b>2,179,194</b>	<b>418.4</b>	<b>762,293</b>	<b>424,772</b>	<b>337,521</b>

\* Phase 4A represents the maximum removal scenario and is not factored into the percentage calculation.

PERCENTAGE OF REMOVAL	
PHASE	100 Yr Mean
4B	116%
7	116%
8	116%
9	116%
10	116%
11	116%
12	116%
13	116%
14	116%
17	116%
18	116%
19	116%
20	116%
21	116%
22	116%

REFERENCE TABLE - REMOVAL AND BACKFILL QUANTITIES (100 YEAR MEAN CMZ SCENARIO)

UCF PHASE	REMOVAL AREA (acres)*	REMOVAL VOLUME (cy)	BACKFILL AREA (acres)*	BACKFILL VOLUME (cy)
Row added so Phase# is equal to row #				
Phase 4B	21.9	84,174	14.1	34,771
Row added so Phase# is equal to row #				
Phase 7	36.2	101,930	20.2	33,778
Phase 8	34.7	98,496	20.5	37,269
Phase 9	65.1	156,687	32.9	61,783
Phase 10	62.4	163,226	30.2	56,259
Phase 11	65.9	196,163	39.8	71,427
Phase 12	60.7	196,806	39.4	78,852
Phase 13***	25.1	81,021	7.5	14,764
Phase 14***	2.9	11,070	1.4	2,436
Row added so Phase# is equal to row #				
Row added so Phase# is equal to row #				
Phase 17**	68.8	167,358	29.5	38,874
Phase 18	34.9	80,970	15.7	25,211
Phase 19	35.0	82,669	15.7	26,629
Phase 20	49.7	123,703	25.9	46,956
Phase 21	45.4	109,288	18.9	29,449
Phase 22**	42.0	96,149	21.7	39,690
<b>TOTAL</b>	<b>650.6</b>	<b>1,749,711</b>	<b>333.2</b>	<b>598,146</b>

\* Removal area is based on CMZ scenario. This may include small areas which would receive no removal despite being within the scenario boundary.

\*\*Phases 17 & 22 have only partial pit data. Volume estimates were calculated by applying average removal & backfill depths from sampled portions of the phase to the CMZ scenario boundary within unsampled areas.

\*\*\*Removal acreage for Phases 13 & 14 has been modified to exclude areas where previous remediation work was completed (Trestle & Yards)



BID ITEM	UNIT	DESCRIPTION	ESTIMATED QUANTITY CALCULATION	CELL REFERENCE NOTE
1	LS	Mobilization, Bonding and Insurance	1	
2	AC	Floodplain Clearing and Grubbing	1.16*EX Volume by Phase!B#	(Removal Area Acreage)
3	AC	Debris Disposal	1.16*EX Volume by Phase!B#	(Removal Area Acreage)
4	LS	Traffic Control	1	
5	AC	Fencing	1.16*EX Volume by Phase!B#	(Removal Area Acreage)
6	AC	Erosion Control	1.16*EX Volume by Phase!B#	(Removal Area Acreage)
7	AC	Haul Road	1.16*EX Volume by Phase!B#	(Removal Area Acreage)
8	AC	Groundwater Dewatering	0.8*EX Volume by Phase!B#	(Removal Area Acreage)
9	CY	Excavate, Haul and Place Tailings/Impacted Soils	EX Volume by Phase!C#	(Removal Volume Cubic Yards)
10	CY	Excavate and Place Non-impacted Floodplain Material	0.073*B12	(Excavate, Haul and Place Tailings/Impacted Soils)
11	AC	Develop and Reclaim Borrow Areas	(B15+B16)/11700	(Excavate, Haul and Place Vegetative Backfill)+(Excavate, Haul and Place Floodplain Alluvium)
12	CY	Excavate, Haul and Place Vegetative Backfill	EX Volume by Phase!G#	(Vegetative Backfill Cubic Yards)
13	CY	Excavate, Haul and Place Floodplain Alluvium	EX Volume by Phase!F#	(Alluvium Cubic Yards)
14	CY	Provide and Place Point Bar Alluvium	0.025*B16	(Excavate, Haul and Place Floodplain Alluvium)
15	AC	Treat Wastes <12 in		
16	AC	Treat Wastes > 12 in		
17	LF	Preserve Vegetation Bank Treatment	SB Length by Phase!C#	(Preserve Vegetation)
18	LF	Construct Brush Trench	SB Length by Phase!D#	(Brush Trench)
19	LF	Construct DVSL Bank Treatment	SB Length by Phase!E#	(DVSL Bank Treatment)
20	LF	Brush Matrix	SB Length by Phase!F#	(Brush Matrix)
21	LF	Wood Enhanced Brush Matrix	SB Length by Phase!G#	(Wood Enhanced Brush Matrix)
22	CY	Construct Bank Toe	0.093*B23	(Brush Matrix)
23	AC	Revegetation	1.16*EX Volume by Phase!B#	(Removal Area Acreage)
24	AC	Develop Microtopography and Place Woody Material	0.28*EX Volume by Phase!B#	(Removal Area Acreage)

PHASE 4

BID ITEM	ESTIMATED QUANTITY	4A EST QTY*	4B EST QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE	4A PRICE	4B PRICE
1	1	1	1	LS	Mobilization, Bonding and Insurance	\$565,822.40	\$565,822	\$343,733	\$222,090
2	84	55	29	AC	Floodplain Clearing and Grubbing	\$746.30	\$62,686	\$40,688	\$21,997
3	84	55	29	AC	Debris Disposal	\$116.22	\$9,762	\$6,336	\$3,426
4	1	1	1	LS	Traffic Control	\$188,170.47	\$188,170	\$94,085	\$94,085
5	84	55	29	AC	Fencing	\$2,408.79	\$202,327	\$131,327	\$71,000
6	84	55	29	AC	Erosion Control	\$3,106.79	\$260,955	\$169,382	\$91,573
7	84	55	29	AC	Haul Road	\$11,408.57	\$958,265	\$621,995	\$336,270
8	58	38	20	AC	Groundwater Dewatering	\$6,785.80	\$393,086	\$255,146	\$137,940
9	247,172	149,530	97,642	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$9.12	\$2,254,204	\$1,363,711	\$890,494
10	18,044	10,916	7,128	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$70,731	\$42,789	\$27,941
11	9	5.8	3.4	AC	Develop and Reclaim Borrow Areas	\$705.00	\$6,555	\$4,124	\$2,430
12	38,885	25,733	13,153	CY	Excavate, Haul and Place Vegetative Backfill	\$4.75	\$184,705	\$122,230	\$62,475
13	69,893	42,711	27,181	CY	Excavate, Haul and Place Floodplain Alluvium	\$3.88	\$271,184	\$165,720	\$105,464
14	1,747	1,068	680	CY	Provide and Place Point Bar Alluvium	\$15.03	\$26,262	\$16,049	\$10,213
15	0	0	0	AC	Treat Wastes <12 in	\$1,590.00	\$0	\$0	\$0
16	0	0	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0	\$0	\$0
17	1,629	658	971	LF	Preserve Vegetation Bank Treatment	\$9.66	\$15,738	\$6,354	\$9,384
18	9,775	3,947	5,828	LF	Construct Brush Trench	\$5.92	\$57,867	\$23,363	\$34,504
19	1,629	658	971	LF	Construct DVSL Bank Treatment	\$37.62	\$61,289	\$24,745	\$36,544
20	11,404	4,604	6,800	LF	Brush Matrix	\$11.83	\$134,910	\$54,468	\$80,442
21	8,146	3,289	4,857	LF	Wood Enhanced Brush Matrix	\$11.83	\$96,364	\$38,906	\$57,458
22	1,061	428	632	CY	Construct Bank Toe	\$22.22	\$23,566	\$9,514	\$14,052
23	84	55	29	AC	Revegetation	\$4,306.00	\$361,683	\$234,763	\$126,920
24	20	13	7	AC	Develop Microtopography and Place Woody Material	\$883.58	\$17,914	\$11,628	\$6,286
<b>TOTAL PRICE:</b>							<b>\$6,224,046</b>	<b>\$3,781,058</b>	<b>\$2,442,989</b>

\*Removal and backfill volumes for Phase 4A represent the maximum removal scenario



**PHASE 7**

<b>BID ITEM</b>	<b>ESTIMATED QUANTITY</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
1	1	LS	Mobilization, Bonding and Insurance	\$339,830.74	\$339,831
2	49	AC	Floodplain Clearing and Grubbing	\$746.30	\$36,312
3	49	AC	Debris Disposal	\$116.22	\$5,655
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	49	AC	Fencing	\$2,408.79	\$117,203
6	49	AC	Erosion Control	\$3,106.79	\$151,165
7	49	AC	Haul Road	\$11,408.57	\$555,099
8	34	AC	Groundwater Dewatering	\$6,785.80	\$227,705
9	118,239	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$10.02	\$1,184,754
10	8,631	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$33,835
11	3.3	AC	Develop and Reclaim Borrow Areas	\$705.00	\$2,361
12	18,874	CY	Excavate, Haul and Place Vegetative Backfill	\$7.74	\$146,082
13	20,309	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$182,173
14	508	CY	Provide and Place Point Bar Alluvium	\$15.03	\$7,631
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,422	LF	Preserve Vegetation Bank Treatment	\$9.66	\$13,740
18	8,534	LF	Construct Brush Trench	\$5.92	\$50,523
19	1,422	LF	Construct DVSL Bank Treatment	\$37.62	\$53,510
20	9,957	LF	Brush Matrix	\$11.83	\$117,788
21	7,112	LF	Wood Enhanced Brush Matrix	\$11.83	\$84,134
22	926	CY	Construct Bank Toe	\$22.22	\$20,575
23	49	AC	Revegetation	\$4,306.00	\$209,514
24	12	AC	Develop Microtopography and Place Woody Material	\$883.58	\$10,377
<b>TOTAL PRICE:</b>					<b>\$3,738,138</b>

**PHASE 8**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$334,533.00	\$334,533
2	47	AC	Floodplain Clearing and Grubbing	\$746.30	\$34,829
3	47	AC	Debris Disposal	\$116.22	\$5,424
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	47	AC	Fencing	\$2,408.79	\$112,415
6	47	AC	Erosion Control	\$3,106.79	\$144,989
7	47	AC	Haul Road	\$11,408.57	\$532,421
8	32	AC	Groundwater Dewatering	\$6,785.80	\$218,402
9	114,256	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$10.49	\$1,198,541
10	8,341	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$32,695
11	3.7	AC	Develop and Reclaim Borrow Areas	\$705.00	\$2,605
12	19,171	CY	Excavate, Haul and Place Vegetative Backfill	\$7.36	\$141,095
13	24,062	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$215,833
14	602	CY	Provide and Place Point Bar Alluvium	\$15.03	\$9,041
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,246	LF	Preserve Vegetation Bank Treatment	\$9.66	\$12,032
18	7,473	LF	Construct Brush Trench	\$5.92	\$44,241
19	1,246	LF	Construct DVSL Bank Treatment	\$37.62	\$46,857
20	8,719	LF	Brush Matrix	\$11.83	\$103,142
21	6,228	LF	Wood Enhanced Brush Matrix	\$11.83	\$73,673
22	811	CY	Construct Bank Toe	\$22.22	\$18,017
23	47	AC	Revegetation	\$4,306.00	\$200,955
24	11	AC	Develop Microtopography and Place Woody Material	\$883.58	\$9,953
<b>TOTAL PRICE:</b>					<b>\$3,679,863</b>

**PHASE 9**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$567,855.51	\$567,856
2	88	AC	Floodplain Clearing and Grubbing	\$746.30	\$65,338
3	88	AC	Debris Disposal	\$116.22	\$10,175
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	88	AC	Fencing	\$2,408.79	\$210,889
6	88	AC	Erosion Control	\$3,106.79	\$271,999
7	88	AC	Haul Road	\$11,408.57	\$998,819
8	60	AC	Groundwater Dewatering	\$6,785.80	\$409,721
9	181,757	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$11.22	\$2,039,312
10	13,268	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$52,012
11	6.1	AC	Develop and Reclaim Borrow Areas	\$705.00	\$4,318
12	30,761	CY	Excavate, Haul and Place Vegetative Backfill	\$7.36	\$226,404
13	40,907	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$366,932
14	1,023	CY	Provide and Place Point Bar Alluvium	\$15.03	\$15,371
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,770	LF	Preserve Vegetation Bank Treatment	\$9.66	\$17,098
18	10,620	LF	Construct Brush Trench	\$5.92	\$62,871
19	1,770	LF	Construct DVSL Bank Treatment	\$37.62	\$66,588
20	12,390	LF	Brush Matrix	\$11.83	\$146,575
21	8,850	LF	Wood Enhanced Brush Matrix	\$11.83	\$104,696
22	1,152	CY	Construct Bank Toe	\$22.22	\$25,604
23	88	AC	Revegetation	\$4,306.00	\$376,990
24	21	AC	Develop Microtopography and Place Woody Material	\$883.58	\$18,672
<b>TOTAL PRICE:</b>					<b>\$6,246,411</b>

**PHASE 10**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$537,656.51	\$537,657
2	84	AC	Floodplain Clearing and Grubbing	\$746.30	\$62,625
3	84	AC	Debris Disposal	\$116.22	\$9,752
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	84	AC	Fencing	\$2,408.79	\$202,130
6	84	AC	Erosion Control	\$3,106.79	\$260,702
7	84	AC	Haul Road	\$11,408.57	\$957,335
8	58	AC	Groundwater Dewatering	\$6,785.80	\$392,705
9	189,342	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$11.24	\$2,128,208
10	13,822	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$54,182
11	5.6	AC	Develop and Reclaim Borrow Areas	\$705.00	\$3,932
12	28,272	CY	Excavate, Haul and Place Vegetative Backfill	\$4.75	\$134,292
13	36,988	CY	Excavate, Haul and Place Floodplain Alluvium	\$3.88	\$143,513
14	925	CY	Provide and Place Point Bar Alluvium	\$15.03	\$13,898
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,864	LF	Preserve Vegetation Bank Treatment	\$9.66	\$18,005
18	11,183	LF	Construct Brush Trench	\$5.92	\$66,205
19	1,864	LF	Construct DVSL Bank Treatment	\$37.62	\$70,120
20	13,047	LF	Brush Matrix	\$11.83	\$154,349
21	9,319	LF	Wood Enhanced Brush Matrix	\$11.83	\$110,249
22	1,213	CY	Construct Bank Toe	\$22.22	\$26,962
23	84	AC	Revegetation	\$4,306.00	\$361,332
24	20	AC	Develop Microtopography and Place Woody Material	\$883.58	\$17,897
<b>TOTAL PRICE:</b>					<b>\$5,914,222</b>

PHASE 11

Table A-1.11

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$615,500.28	\$615,500
2	89	AC	Floodplain Clearing and Grubbing	\$746.30	\$66,215
3	89	AC	Debris Disposal	\$116.22	\$10,311
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	89	AC	Fencing	\$2,408.79	\$213,717
6	89	AC	Erosion Control	\$3,106.79	\$275,646
7	89	AC	Haul Road	\$11,408.57	\$1,012,212
8	61	AC	Groundwater Dewatering	\$6,785.80	\$415,215
9	227,549	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$12.19	\$2,773,824
10	16,611	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$65,115
11	7.1	AC	Develop and Reclaim Borrow Areas	\$705.00	\$4,993
12	37,200	CY	Excavate, Haul and Place Vegetative Backfill	\$4.75	\$176,700
13	45,655	CY	Excavate, Haul and Place Floodplain Alluvium	\$3.88	\$177,142
14	1,141	CY	Provide and Place Point Bar Alluvium	\$15.03	\$17,155
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,495	LF	Preserve Vegetation Bank Treatment	\$9.66	\$14,441
18	8,969	LF	Construct Brush Trench	\$5.92	\$53,099
19	1,495	LF	Construct DVSL Bank Treatment	\$37.62	\$56,238
20	10,464	LF	Brush Matrix	\$11.83	\$123,793
21	7,475	LF	Wood Enhanced Brush Matrix	\$11.83	\$88,424
22	973	CY	Construct Bank Toe	\$22.22	\$21,624
23	89	AC	Revegetation	\$4,306.00	\$382,045
24	21	AC	Develop Microtopography and Place Woody Material	\$883.58	\$18,923
<b>TOTAL PRICE:</b>					<b>\$6,770,503</b>

PHASE 12

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$670,070.25	\$670,070
2	82	AC	Floodplain Clearing and Grubbing	\$746.30	\$60,949
3	82	AC	Debris Disposal	\$116.22	\$9,492
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	82	AC	Fencing	\$2,408.79	\$196,723
6	82	AC	Erosion Control	\$3,106.79	\$253,728
7	82	AC	Haul Road	\$11,408.57	\$931,725
8	56	AC	Groundwater Dewatering	\$6,785.80	\$382,199
9	228,295	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$13.21	\$3,015,779
10	16,666	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$65,329
11	7.8	AC	Develop and Reclaim Borrow Areas	\$705.00	\$5,512
12	36,854	CY	Excavate, Haul and Place Vegetative Backfill	\$8.16	\$300,658
13	54,613	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$489,883
14	1,365	CY	Provide and Place Point Bar Alluvium	\$15.03	\$20,521
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,718	LF	Preserve Vegetation Bank Treatment	\$9.66	\$16,594
18	10,307	LF	Construct Brush Trench	\$5.92	\$61,018
19	1,718	LF	Construct DVSL Bank Treatment	\$37.62	\$64,625
20	12,025	LF	Brush Matrix	\$11.83	\$142,254
21	8,589	LF	Wood Enhanced Brush Matrix	\$11.83	\$101,610
22	1,118	CY	Construct Bank Toe	\$22.22	\$24,849
23	82	AC	Revegetation	\$4,306.00	\$351,666
24	20	AC	Develop Microtopography and Place Woody Material	\$883.58	\$17,418
<b>TOTAL PRICE:</b>					<b>\$7,370,773</b>

PHASE 13

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$264,887.57	\$264,888
2	34	AC	Floodplain Clearing and Grubbing	\$746.30	\$25,173
3	34	AC	Debris Disposal	\$116.22	\$3,920
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	34	AC	Fencing	\$2,408.79	\$81,248
6	34	AC	Erosion Control	\$3,106.79	\$104,791
7	34	AC	Haul Road	\$11,408.57	\$384,809
8	23	AC	Groundwater Dewatering	\$6,785.80	\$157,851
9	93,984	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$12.74	\$1,197,355
10	6,861	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$26,894
11	1.5	AC	Develop and Reclaim Borrow Areas	\$705.00	\$1,032
12	6,979	CY	Excavate, Haul and Place Vegetative Backfill	\$8.16	\$56,932
13	10,147	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$91,020
14	254	CY	Provide and Place Point Bar Alluvium	\$15.03	\$3,813
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	725	LF	Preserve Vegetation Bank Treatment	\$9.66	\$7,003
18	4,350	LF	Construct Brush Trench	\$5.92	\$25,751
19	725	LF	Construct DVSL Bank Treatment	\$37.62	\$27,274
20	5,075	LF	Brush Matrix	\$11.83	\$60,035
21	3,625	LF	Wood Enhanced Brush Matrix	\$11.83	\$42,882
22	472	CY	Construct Bank Toe	\$22.22	\$10,487
23	34	AC	Revegetation	\$4,306.00	\$145,241
24	8	AC	Develop Microtopography and Place Woody Material	\$883.58	\$7,194
<b>TOTAL PRICE:</b>					<b>\$2,913,763</b>

**PHASE 14**

<b>BID ITEM</b>	<b>ESTIMATED QUANTITY</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
1	1	LS	Mobilization, Bonding and Insurance	\$63,134.95	\$63,135
2	4	AC	Floodplain Clearing and Grubbing	\$746.30	\$2,910
3	4	AC	Debris Disposal	\$116.22	\$453
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	4	AC	Fencing	\$2,408.79	\$9,392
6	4	AC	Erosion Control	\$3,106.79	\$12,113
7	4	AC	Haul Road	\$11,408.57	\$44,481
8	3	AC	Groundwater Dewatering	\$6,785.80	\$18,246
9	12,841	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$13.10	\$168,221
10	937	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$3,675
11	0.2	AC	Develop and Reclaim Borrow Areas	\$705.00	\$170
12	1,339	CY	Excavate, Haul and Place Vegetative Backfill	\$8.16	\$10,925
13	1,487	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$13,334
14	37	CY	Provide and Place Point Bar Alluvium	\$15.03	\$559
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	590	LF	Preserve Vegetation Bank Treatment	\$9.66	\$5,697
18	3,538	LF	Construct Brush Trench	\$5.92	\$20,948
19	590	LF	Construct DVSL Bank Treatment	\$37.62	\$22,186
20	4,128	LF	Brush Matrix	\$11.83	\$48,836
21	2,949	LF	Wood Enhanced Brush Matrix	\$11.83	\$34,883
22	384	CY	Construct Bank Toe	\$22.22	\$8,531
23	4	AC	Revegetation	\$4,306.00	\$16,789
24	1	AC	Develop Microtopography and Place Woody Material	\$883.58	\$832
<b>TOTAL PRICE:</b>					<b>\$694,484</b>



**PHASE 17**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$657,679.64	\$657,680
2	93	AC	Floodplain Clearing and Grubbing	\$746.30	\$69,111
3	93	AC	Debris Disposal	\$116.22	\$10,763
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	93	AC	Fencing	\$2,408.79	\$223,067
6	93	AC	Erosion Control	\$3,106.79	\$287,705
7	93	AC	Haul Road	\$11,408.57	\$1,056,494
8	64	AC	Groundwater Dewatering	\$6,785.80	\$433,380
9	194,135	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$14.68	\$2,849,906
10	14,172	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$55,554
11	3.9	AC	Develop and Reclaim Borrow Areas	\$705.00	\$2,717
12	27,574	CY	Excavate, Haul and Place Vegetative Backfill	\$11.50	\$317,099
13	17,520	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$157,151
14	438	CY	Provide and Place Point Bar Alluvium	\$15.03	\$6,583
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	2,093	LF	Preserve Vegetation Bank Treatment	\$9.66	\$20,214
18	12,555	LF	Construct Brush Trench	\$5.92	\$74,327
19	2,093	LF	Construct DVSL Bank Treatment	\$37.62	\$78,721
20	14,648	LF	Brush Matrix	\$11.83	\$173,283
21	10,463	LF	Wood Enhanced Brush Matrix	\$11.83	\$123,773
22	1,362	CY	Construct Bank Toe	\$22.22	\$30,269
23	93	AC	Revegetation	\$4,306.00	\$398,758
24	22	AC	Develop Microtopography and Place Woody Material	\$883.58	\$19,751
<b>TOTAL PRICE:</b>					<b>\$7,234,476</b>

**PHASE 18**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$330,293.69	\$330,294
2	47	AC	Floodplain Clearing and Grubbing	\$746.30	\$35,043
3	47	AC	Debris Disposal	\$116.22	\$5,457
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	47	AC	Fencing	\$2,408.79	\$113,107
6	47	AC	Erosion Control	\$3,106.79	\$145,882
7	47	AC	Haul Road	\$11,408.57	\$535,701
8	32	AC	Groundwater Dewatering	\$6,785.80	\$219,748
9	93,926	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$15.16	\$1,423,913
10	6,857	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$26,878
11	2.5	AC	Develop and Reclaim Borrow Areas	\$705.00	\$1,762
12	14,666	CY	Excavate, Haul and Place Vegetative Backfill	\$4.75	\$69,661
13	14,580	CY	Excavate, Haul and Place Floodplain Alluvium	\$3.88	\$56,569
14	364	CY	Provide and Place Point Bar Alluvium	\$15.03	\$5,478
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,101	LF	Preserve Vegetation Bank Treatment	\$9.66	\$10,635
18	6,605	LF	Construct Brush Trench	\$5.92	\$39,103
19	1,101	LF	Construct DVSL Bank Treatment	\$37.62	\$41,415
20	7,706	LF	Brush Matrix	\$11.83	\$91,164
21	5,504	LF	Wood Enhanced Brush Matrix	\$11.83	\$65,117
22	717	CY	Construct Bank Toe	\$22.22	\$15,925
23	47	AC	Revegetation	\$4,306.00	\$202,192
24	11	AC	Develop Microtopography and Place Woody Material	\$883.58	\$10,015
<b>TOTAL PRICE:</b>					<b>\$3,633,231</b>

**PHASE 19**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$335,575.52	\$335,576
2	47	AC	Floodplain Clearing and Grubbing	\$746.30	\$35,197
3	47	AC	Debris Disposal	\$116.22	\$5,481
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	47	AC	Fencing	\$2,408.79	\$113,603
6	47	AC	Erosion Control	\$3,106.79	\$146,522
7	47	AC	Haul Road	\$11,408.57	\$538,050
8	33	AC	Groundwater Dewatering	\$6,785.80	\$220,711
9	95,896	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$15.37	\$1,473,923
10	7,000	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$27,442
11	2.6	AC	Develop and Reclaim Borrow Areas	\$705.00	\$1,861
12	14,657	CY	Excavate, Haul and Place Vegetative Backfill	\$4.75	\$69,619
13	16,232	CY	Excavate, Haul and Place Floodplain Alluvium	\$3.88	\$62,982
14	406	CY	Provide and Place Point Bar Alluvium	\$15.03	\$6,099
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,057	LF	Preserve Vegetation Bank Treatment	\$9.66	\$10,214
18	6,344	LF	Construct Brush Trench	\$5.92	\$37,559
19	1,057	LF	Construct DVSL Bank Treatment	\$37.62	\$39,779
20	7,402	LF	Brush Matrix	\$11.83	\$87,563
21	5,287	LF	Wood Enhanced Brush Matrix	\$11.83	\$62,545
22	688	CY	Construct Bank Toe	\$22.22	\$15,295
23	47	AC	Revegetation	\$4,306.00	\$203,079
24	11	AC	Develop Microtopography and Place Woody Material	\$883.58	\$10,059
<b>TOTAL PRICE:</b>					<b>\$3,691,331</b>

**PHASE 20**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$486,947.46	\$486,947
2	67	AC	Floodplain Clearing and Grubbing	\$746.30	\$49,927
3	67	AC	Debris Disposal	\$116.22	\$7,775
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	67	AC	Fencing	\$2,408.79	\$161,145
6	67	AC	Erosion Control	\$3,106.79	\$207,841
7	67	AC	Haul Road	\$11,408.57	\$763,220
8	46	AC	Groundwater Dewatering	\$6,785.80	\$313,077
9	143,495	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$15.92	\$2,284,447
10	10,475	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$41,063
11	4.7	AC	Develop and Reclaim Borrow Areas	\$705.00	\$3,282
12	24,278	CY	Excavate, Haul and Place Vegetative Backfill	\$4.75	\$115,322
13	30,190	CY	Excavate, Haul and Place Floodplain Alluvium	\$3.88	\$117,139
14	755	CY	Provide and Place Point Bar Alluvium	\$15.03	\$11,344
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,268	LF	Preserve Vegetation Bank Treatment	\$9.66	\$12,251
18	7,609	LF	Construct Brush Trench	\$5.92	\$45,047
19	1,268	LF	Construct DVSL Bank Treatment	\$37.62	\$47,710
20	8,877	LF	Brush Matrix	\$11.83	\$105,020
21	6,341	LF	Wood Enhanced Brush Matrix	\$11.83	\$75,015
22	826	CY	Construct Bank Toe	\$22.22	\$18,345
23	67	AC	Revegetation	\$4,306.00	\$288,067
24	16	AC	Develop Microtopography and Place Woody Material	\$883.58	\$14,268
<b>TOTAL PRICE:</b>					<b>\$5,356,422</b>

**PHASE 21**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$443,681.18	\$443,681
2	61	AC	Floodplain Clearing and Grubbing	\$746.30	\$45,615
3	61	AC	Debris Disposal	\$116.22	\$7,104
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	61	AC	Fencing	\$2,408.79	\$147,230
6	61	AC	Erosion Control	\$3,106.79	\$189,893
7	61	AC	Haul Road	\$11,408.57	\$697,314
8	42	AC	Groundwater Dewatering	\$6,785.80	\$286,042
9	126,774	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$16.51	\$2,093,040
10	9,255	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$36,278
11	2.9	AC	Develop and Reclaim Borrow Areas	\$705.00	\$2,058
12	17,692	CY	Excavate, Haul and Place Vegetative Backfill	\$4.75	\$84,035
13	16,469	CY	Excavate, Haul and Place Floodplain Alluvium	\$3.88	\$63,899
14	412	CY	Provide and Place Point Bar Alluvium	\$15.03	\$6,188
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,311	LF	Preserve Vegetation Bank Treatment	\$9.66	\$12,668
18	7,868	LF	Construct Brush Trench	\$5.92	\$46,581
19	1,311	LF	Construct DVSL Bank Treatment	\$37.62	\$49,335
20	9,180	LF	Brush Matrix	\$11.83	\$108,596
21	6,557	LF	Wood Enhanced Brush Matrix	\$11.83	\$77,569
22	854	CY	Construct Bank Toe	\$22.22	\$18,970
23	61	AC	Revegetation	\$4,306.00	\$263,191
24	15	AC	Develop Microtopography and Place Woody Material	\$883.58	\$13,036
<b>TOTAL PRICE:</b>					<b>\$4,880,493</b>

**PHASE 22**

<i>BID ITEM</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>DESCRIPTION</i>	<i>UNIT PRICE</i>	<i>TOTAL PRICE</i>
1	1	LS	Mobilization, Bonding and Insurance	\$441,352.90	\$441,353
2	56	AC	Floodplain Clearing and Grubbing	\$746.30	\$42,143
3	56	AC	Debris Disposal	\$116.22	\$6,563
4	1	LS	Traffic Control	\$188,170.47	\$188,170
5	56	AC	Fencing	\$2,408.79	\$136,024
6	56	AC	Erosion Control	\$3,106.79	\$175,439
7	56	AC	Haul Road	\$11,408.57	\$644,238
8	39	AC	Groundwater Dewatering	\$6,785.80	\$264,270
9	111,533	CY	Excavate, Haul and Place Tailings/Impacted Soils	\$17.14	\$1,911,673
10	8,142	CY	Excavate and Place Non-impacted Floodplain Material	\$3.92	\$31,916
11	3.9	AC	Develop and Reclaim Borrow Areas	\$705.00	\$2,774
12	20,320	CY	Excavate, Haul and Place Vegetative Backfill	\$12.75	\$259,083
13	25,721	CY	Excavate, Haul and Place Floodplain Alluvium	\$8.97	\$230,715
14	643	CY	Provide and Place Point Bar Alluvium	\$15.03	\$9,665
15	0	AC	Treat Wastes <12 in	\$1,590.00	\$0
16	0	AC	Treat Wastes > 12 in	\$14,068.00	\$0
17	1,069	LF	Preserve Vegetation Bank Treatment	\$9.66	\$10,323
18	6,412	LF	Construct Brush Trench	\$5.92	\$37,959
19	1,069	LF	Construct DVSL Bank Treatment	\$37.62	\$40,204
20	7,481	LF	Brush Matrix	\$11.83	\$88,497
21	5,343	LF	Wood Enhanced Brush Matrix	\$11.83	\$63,212
22	696	CY	Construct Bank Toe	\$22.22	\$15,459
23	56	AC	Revegetation	\$4,306.00	\$243,158
24	14	AC	Develop Microtopography and Place Woody Material	\$883.58	\$12,044
<b>TOTAL PRICE:</b>					<b>\$4,854,882</b>