

Riverside County Flood Control & Water Conservation District

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Bid Abstract

Project Name: EAGLE CANYON DAM AND DEBRIS BASIN

Project Number: 6-0-0190-01

Bid Open Date: 01/17/2013

ENGINEER'S ESTIMATE

VANCE CORPORATION

**HAL HAYS
CONSTRUCTON, INC.**

<i>Item No. & Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Unit Bid</i>	<i>Total Bid</i>	<i>Unit Bid</i>	<i>Total Bid</i>	<i>Unit Bid</i>	<i>Total Bid</i>
1 MOBILIZATION	L.S.	1	\$250,000.00	\$250,000.00	\$368,608.00	\$368,608.00	\$883,990.00	\$883,990.00
2 WATER CONTROL	L.S.	1	\$30,000.00	\$30,000.00	\$9,000.00	\$9,000.00	\$10,500.00	\$10,500.00
3 CLEARING AND MISCELLANEOUS WORK	L.S.	1	\$70,000.00	\$70,000.00	\$36,000.00	\$36,000.00	\$160,000.00	\$160,000.00
4 EXTRA DIRECTED WORK	L.S.	1	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00
5 DUMPED FILL REMOVAL	C.Y.	65,000	\$5.00	\$325,000.00	\$6.00	\$390,000.00	\$15.50	\$1,007,500.00
6 REMOVAL OF SURFICIAL SHOOTING RANGE DEBRIS	C.Y.	75	\$4.00	\$300.00	\$100.00	\$7,500.00	\$142.00	\$10,650.00
7 EXCAVATION AND STOCKPILING OF SUBSURFACE SHOOTING RANGE DEBRIS AND IMPACTED SOIL	C.Y.	2,925	\$5.00	\$14,625.00	\$10.00	\$29,250.00	\$22.00	\$64,350.00
8 CONFIRMATION SOIL SAMPLING	EACH	25	\$83.00	\$2,075.00	\$250.00	\$6,250.00	\$277.00	\$6,925.00
9 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (NON-HAZARDOUS)	TONS	11,250	\$40.00	\$450,000.00	\$85.00	\$956,250.00	\$44.00	\$495,000.00
10 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (RCRA)	TONS	1,500	\$252.00	\$378,000.00	\$275.00	\$412,500.00	\$200.00	\$300,000.00
11 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (NON-RCRA)	TONS	1,500	\$250.00	\$375,000.00	\$100.00	\$150,000.00	\$75.00	\$112,500.00
12 FINAL CLOSURE REPORT	L.S.	1	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$11,500.00	\$11,500.00
13 UNDERGROUND STORAGE TANK (UST) REMOVAL	L.S.	1	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$4,100.00	\$4,100.00
14 BASIN EXCAVATION	C.Y.	31,030	\$4.00	\$124,120.00	\$4.00	\$124,120.00	\$5.00	\$155,150.00
15 BASIN EXCAVATION (ROCK)	C.Y.	4,000	\$20.00	\$80,000.00	\$8.00	\$32,000.00	\$16.35	\$65,400.00
16 ABUTMENT EXCAVATION AND SHAPING (ROCK)	C.Y.	52,500	\$30.00	\$1,575,000.00	\$8.00	\$420,000.00	\$10.00	\$525,000.00
17 DAM FOUNDATION EXCAVATION	C.Y.	90,000	\$4.00	\$360,000.00	\$3.00	\$270,000.00	\$2.00	\$180,000.00
18 SPILLWAY EXCAVATION	C.Y.	41,140	\$30.00	\$1,234,200.00	\$8.00	\$329,120.00	\$10.00	\$411,400.00
19 STILLING BASIN EXCAVATION	C.Y.	6,770	\$5.00	\$33,850.00	\$4.00	\$27,080.00	\$2.40	\$16,248.00
20 ACCESS ROAD EXCAVATION (ROCK)	C.Y.	7,310	\$20.00	\$146,200.00	\$8.00	\$58,480.00	\$13.75	\$100,512.50
21 OUTLET PIPE TRENCH EXCAVATION	C.Y.	2,320	\$3.00	\$6,960.00	\$4.00	\$9,280.00	\$9.50	\$22,040.00
22 OUTLET CHANNEL EXCAVATION	C.Y.	6,380	\$3.00	\$19,140.00	\$5.00	\$31,900.00	\$3.30	\$21,054.00
23 DAM EMBANKMENT CORE	C.Y.	32,300	\$14.00	\$452,200.00	\$12.00	\$387,600.00	\$12.00	\$387,600.00
24 DAM EMBANKMENT (UPSTREAM AND DOWNSTREAM SHELLS)	C.Y.	156,000	\$8.00	\$1,248,000.00	\$11.50	\$1,794,000.00	\$11.00	\$1,716,000.00

Project Name: EAGLE CANYON DAM AND DEBRIS BASIN

Project Number: 6-0-0190-01

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Item No. & Description	Unit	Quantity	ENGINEER'S ESTIMATE		VANCE CORPORATION		HAL HAYS CONSTRUCTON, INC.	
			Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
25 BACKFILL FOR STILLING BASIN	C.Y.	7,980	\$8.00	\$63,840.00	\$12.00	\$95,760.00	\$3.00	\$23,940.00
26 FILL FOR ACCESS ROADS	C.Y.	22,780	\$6.00	\$136,680.00	\$12.00	\$273,360.00	\$2.20	\$50,116.00
27 TRENCH SAFETY SYSTEM	L.S.	1	\$15,000.00	\$15,000.00	\$500.00	\$500.00	\$1,150.00	\$1,150.00
28 PERSONAL PROTECTIVE EQUIPMENT, OSHA TRAINING AND FITNESS TEST	L.S.	1	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$11,500.00	\$11,500.00
29 CLASS "A" CONCRETE, PIPE CRADLE	C.Y.	178	\$700.00	\$124,600.00	\$340.00	\$60,520.00	\$360.00	\$64,080.00
30 CLASS "A" CONCRETE, INTAKE STRUCTURE	C.Y.	38	\$700.00	\$26,600.00	\$1,300.00	\$49,400.00	\$790.00	\$30,020.00
31 CLASS "A" CONCRETE, STILLING BASIN STRUCTURE	C.Y.	921	\$700.00	\$644,700.00	\$600.00	\$552,600.00	\$580.00	\$534,180.00
32 CLASS "A" CONCRETE, OUTLET HEADWALL	C.Y.	37	\$700.00	\$25,900.00	\$760.00	\$28,120.00	\$802.00	\$29,674.00
33 CLASS "B" CONCRETE, CUTOFF WALL	C.Y.	26	\$500.00	\$13,000.00	\$930.00	\$24,180.00	\$655.00	\$17,030.00
34 CLASS "B" CONCRETE, SILL AT SPILLWAY CREST	C.Y.	6	\$500.00	\$3,000.00	\$600.00	\$3,600.00	\$435.00	\$2,610.00
35 CLASS "B" CONCRETE, V-DITCH	C.Y.	37	\$250.00	\$9,250.00	\$950.00	\$35,150.00	\$645.00	\$23,865.00
36 CLASS "B" CONCRETE, MISCELLANEOUS	C.Y.	78	\$500.00	\$39,000.00	\$490.00	\$38,220.00	\$1,945.00	\$151,710.00
37 SLUSH GROUT, DENTAL AND BACKFILL CONCRETE	C.Y.	1,000	\$150.00	\$150,000.00	\$275.00	\$275,000.00	\$287.00	\$287,000.00
38 42-INCH REINFORCED CONCRETE PRESSURE PIPE (RCPP), 4000D	L.F.	310	\$400.00	\$124,000.00	\$150.00	\$46,500.00	\$139.00	\$43,090.00
39 6-FOOT CHAIN LINK FENCE	L.F.	1,630	\$16.00	\$26,080.00	\$27.00	\$44,010.00	\$26.00	\$42,380.00
40 14-FOOT DOUBLE DRIVE GATES	EACH	1	\$1,500.00	\$1,500.00	\$2,300.00	\$2,300.00	\$2,220.00	\$2,220.00
41 STEEL GRATES FOR INTAKE STRUCTURE	L.S.	1	\$15,000.00	\$15,000.00	\$18,500.00	\$18,500.00	\$23,750.00	\$23,750.00
42 24-INCH SIDE INLET DRAIN PIPE	L.S.	1	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$9,200.00	\$9,200.00
43 WEEP HOLES ON SPILLWAY CHANNEL	L.F.	80	\$200.00	\$16,000.00	\$75.00	\$6,000.00	\$4.00	\$320.00
44 LEACH FIELD DRAINS	L.S.	1	\$10,000.00	\$10,000.00	\$22,000.00	\$22,000.00	\$73,500.00	\$73,500.00
45 ROCK SLOPE PROTECTION, 1-TON CLASS	TONS	1,800	\$50.00	\$90,000.00	\$25.00	\$45,000.00	\$45.00	\$81,000.00
46 ROCK SLOPE PROTECTION, 1/2-TON CLASS	TONS	630	\$50.00	\$31,500.00	\$25.00	\$15,750.00	\$46.25	\$29,137.50
47 ROCK SLOPE PROTECTION, 1/4-TON CLASS	TONS	21,000	\$50.00	\$1,050,000.00	\$25.00	\$525,000.00	\$40.00	\$840,000.00

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			Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
48 ROCK SLOPE PROTECTION, LIGHT CLASS	TONS	15	\$50.00	\$750.00	\$30.00	\$450.00	\$80.00	\$1,200.00
49 CRUSHED ROCK	C.Y.	620	\$25.00	\$15,500.00	\$40.00	\$24,800.00	\$59.00	\$36,580.00
50 FILTER BLANKET, NO. 2 BACKING CLASS	C.Y.	4,935	\$50.00	\$246,750.00	\$40.00	\$197,400.00	\$74.00	\$365,190.00
51 ROCK SLOPE PROTECTION FABRIC	S.Y.	20,550	\$5.00	\$102,750.00	\$5.00	\$102,750.00	\$2.10	\$43,155.00
52 CONCRETE GROUT FOR GROUTED ROCK RIPRAP AND GROUTED NO. 2 BACKING CLASS	C.Y.	320	\$150.00	\$48,000.00	\$150.00	\$48,000.00	\$112.00	\$35,840.00
53 FILTER DIAPHRAGM MATERIAL	C.Y.	32	\$46.00	\$1,472.00	\$30.00	\$960.00	\$135.00	\$4,320.00
54 DUST ABATEMENT	L.S.	1	\$40,000.00	\$40,000.00	\$18,000.00	\$18,000.00	\$28,600.00	\$28,600.00
55 STORMWATER AND NON-STORMWATER POLLUTION CONTROL	L.S.	1	\$30,000.00	\$30,000.00	\$36,000.00	\$36,000.00	\$75,000.00	\$75,000.00
56 COLOR VARNISH	S.F.	84,000	\$0.25	\$21,000.00	\$0.30	\$25,200.00	\$0.25	\$21,000.00
			\$10,546,542.00		\$8,698,968.00		\$9,849,777.00	

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Item No. & Description	Unit	Quantity	SUKUT CONSTRUCTION, INC.		HARPER CONTRACTING, INC.		SPIESS CONSTRUCTION CO., INC.	
			Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
1 MOBILIZATION	L.S.	1	\$665,000.00	\$665,000.00	\$350,000.00	\$350,000.00	\$585,000.00	\$585,000.00
2 WATER CONTROL	L.S.	1	\$40,000.00	\$40,000.00	\$17,300.00	\$17,300.00	\$22,000.00	\$22,000.00
3 CLEARING AND MISCELLANEOUS WORK	L.S.	1	\$50,000.00	\$50,000.00	\$73,300.00	\$73,300.00	\$270,000.00	\$270,000.00
4 EXTRA DIRECTED WORK	L.S.	1	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00
5 DUMPED FILL REMOVAL	C.Y.	65,000	\$22.00	\$1,430,000.00	\$13.90	\$903,500.00	\$8.40	\$546,000.00
6 REMOVAL OF SURFICIAL SHOOTING RANGE DEBRIS	C.Y.	75	\$276.00	\$20,700.00	\$52.00	\$3,900.00	\$216.00	\$16,200.00
7 EXCAVATION AND STOCKPILING OF SUBSURFACE SHOOTING RANGE DEBRIS AND IMPACTED SOIL	C.Y.	2,925	\$14.00	\$40,950.00	\$12.30	\$35,977.50	\$18.00	\$52,650.00
8 CONFIRMATION SOIL SAMPLING	EACH	25	\$660.00	\$16,500.00	\$900.00	\$22,500.00	\$920.00	\$23,000.00
9 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (NON-HAZARDOUS)	TONS	11,250	\$61.00	\$686,250.00	\$58.50	\$658,125.00	\$63.00	\$708,750.00
10 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (RCRA)	TONS	1,500	\$220.00	\$330,000.00	\$176.00	\$264,000.00	\$240.00	\$360,000.00
11 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (NON-RCRA)	TONS	1,500	\$81.00	\$121,500.00	\$61.00	\$91,500.00	\$105.00	\$157,500.00
12 FINAL CLOSURE REPORT	L.S.	1	\$12,000.00	\$12,000.00	\$10,000.00	\$10,000.00	\$11,000.00	\$11,000.00
13 UNDERGROUND STORAGE TANK (UST) REMOVAL	L.S.	1	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$26,500.00	\$26,500.00
14 BASIN EXCAVATION	C.Y.	31,030	\$3.30	\$102,399.00	\$6.75	\$209,452.50	\$6.50	\$201,695.00
15 BASIN EXCAVATION (ROCK)	C.Y.	4,000	\$11.50	\$46,000.00	\$15.70	\$62,800.00	\$18.00	\$72,000.00
16 ABUTMENT EXCAVATION AND SHAPING (ROCK)	C.Y.	52,500	\$12.80	\$672,000.00	\$12.90	\$677,250.00	\$11.35	\$595,875.00
17 DAM FOUNDATION EXCAVATION	C.Y.	90,000	\$3.70	\$333,000.00	\$3.90	\$351,000.00	\$6.50	\$585,000.00
18 SPILLWAY EXCAVATION	C.Y.	41,140	\$11.50	\$473,110.00	\$7.90	\$325,006.00	\$12.00	\$493,680.00
19 STILLING BASIN EXCAVATION	C.Y.	6,770	\$4.00	\$27,080.00	\$9.50	\$64,315.00	\$4.70	\$31,819.00
20 ACCESS ROAD EXCAVATION (ROCK)	C.Y.	7,310	\$12.00	\$87,720.00	\$6.00	\$43,860.00	\$11.40	\$83,334.00
21 OUTLET PIPE TRENCH EXCAVATION	C.Y.	2,320	\$13.40	\$31,088.00	\$8.90	\$20,648.00	\$3.80	\$8,816.00
22 OUTLET CHANNEL EXCAVATION	C.Y.	6,380	\$3.00	\$19,140.00	\$6.15	\$39,237.00	\$4.20	\$26,796.00
23 DAM EMBANKMENT CORE	C.Y.	32,300	\$9.40	\$303,620.00	\$17.75	\$573,325.00	\$18.00	\$581,400.00
24 DAM EMBANKMENT (UPSTREAM AND DOWNSTREAM SHELLS)	C.Y.	156,000	\$10.50	\$1,638,000.00	\$17.70	\$2,761,200.00	\$12.00	\$1,872,000.00

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Item No. & Description	Unit	Quantity	SUKUT CONSTRUCTION, INC.		HARPER CONTRACTING, INC.		SPIESS CONSTRUCTION CO., INC.	
			Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
25 BACKFILL FOR STILLING BASIN	C.Y.	7,980	\$13.30	\$106,134.00	\$39.00	\$311,220.00	\$17.00	\$135,660.00
26 FILL FOR ACCESS ROADS	C.Y.	22,780	\$2.60	\$59,228.00	\$17.00	\$387,260.00	\$13.25	\$301,835.00
27 TRENCH SAFETY SYSTEM	L.S.	1	\$3,400.00	\$3,400.00	\$11,000.00	\$11,000.00	\$3,600.00	\$3,600.00
28 PERSONAL PROTECTIVE EQUIPMENT, OSHA TRAINING AND FITNESS TEST	L.S.	1	\$17,000.00	\$17,000.00	\$13,500.00	\$13,500.00	\$29,000.00	\$29,000.00
29 CLASS "A" CONCRETE, PIPE CRADLE	C.Y.	178	\$679.00	\$120,862.00	\$700.00	\$124,600.00	\$438.00	\$77,964.00
30 CLASS "A" CONCRETE, INTAKE STRUCTURE	C.Y.	38	\$1,800.00	\$68,400.00	\$1,310.00	\$49,780.00	\$1,975.00	\$75,050.00
31 CLASS "A" CONCRETE, STILLING BASIN STRUCTURE	C.Y.	921	\$562.00	\$517,602.00	\$884.00	\$814,164.00	\$580.00	\$534,180.00
32 CLASS "A" CONCRETE, OUTLET HEADWALL	C.Y.	37	\$1,013.00	\$37,481.00	\$501.00	\$18,537.00	\$790.00	\$29,230.00
33 CLASS "B" CONCRETE, CUTOFF WALL	C.Y.	26	\$911.00	\$23,686.00	\$995.00	\$25,870.00	\$1,200.00	\$31,200.00
34 CLASS "B" CONCRETE, SILL AT SPILLWAY CREST	C.Y.	6	\$833.00	\$4,998.00	\$1,010.00	\$6,060.00	\$920.00	\$5,520.00
35 CLASS "B" CONCRETE, V-DITCH	C.Y.	37	\$760.00	\$28,120.00	\$575.00	\$21,275.00	\$570.00	\$21,090.00
36 CLASS "B" CONCRETE, MISCELLANEOUS	C.Y.	78	\$236.00	\$18,408.00	\$695.00	\$54,210.00	\$295.00	\$23,010.00
37 SLUSH GROUT, DENTAL AND BACKFILL CONCRETE	C.Y.	1,000	\$174.00	\$174,000.00	\$200.00	\$200,000.00	\$162.00	\$162,000.00
38 42-INCH REINFORCED CONCRETE PRESSURE PIPE (RCPP), 4000D	L.F.	310	\$455.00	\$141,050.00	\$161.00	\$49,910.00	\$490.00	\$151,900.00
39 6-FOOT CHAIN LINK FENCE	L.F.	1,630	\$34.00	\$55,420.00	\$32.50	\$52,975.00	\$119.00	\$193,970.00
40 14-FOOT DOUBLE DRIVE GATES	EACH	1	\$3,000.00	\$3,000.00	\$2,879.00	\$2,879.00	\$1,700.00	\$1,700.00
41 STEEL GRATES FOR INTAKE STRUCTURE	L.S.	1	\$27,000.00	\$27,000.00	\$50,000.00	\$50,000.00	\$20,800.00	\$20,800.00
42 24-INCH SIDE INLET DRAIN PIPE	L.S.	1	\$29,000.00	\$29,000.00	\$12,600.00	\$12,600.00	\$34,600.00	\$34,600.00
43 WEEP HOLES ON SPILLWAY CHANNEL	L.F.	80	\$45.00	\$3,600.00	\$76.00	\$6,080.00	\$29.00	\$2,320.00
44 LEACH FIELD DRAINS	L.S.	1	\$20,000.00	\$20,000.00	\$12,400.00	\$12,400.00	\$26,000.00	\$26,000.00
45 ROCK SLOPE PROTECTION, 1-TON CLASS	TONS	1,800	\$43.00	\$77,400.00	\$12.50	\$22,500.00	\$43.00	\$77,400.00
46 ROCK SLOPE PROTECTION, 1/2-TON CLASS	TONS	630	\$43.00	\$27,090.00	\$12.50	\$7,875.00	\$43.00	\$27,090.00
47 ROCK SLOPE PROTECTION, 1/4-TON CLASS	TONS	21,000	\$41.00	\$861,000.00	\$12.50	\$262,500.00	\$34.50	\$724,500.00

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			<i>Unit Bid</i>	<i>Total Bid</i>	<i>Unit Bid</i>	<i>Total Bid</i>	<i>Unit Bid</i>	<i>Total Bid</i>
48 ROCK SLOPE PROTECTION, LIGHT CLASS	TONS	15	\$75.00	\$1,125.00	\$38.00	\$570.00	\$23.00	\$345.00
49 CRUSHED ROCK	C.Y.	620	\$82.00	\$50,840.00	\$51.00	\$31,620.00	\$86.00	\$53,320.00
50 FILTER BLANKET, NO. 2 BACKING CLASS	C.Y.	4,935	\$81.00	\$399,735.00	\$19.00	\$93,765.00	\$44.00	\$217,140.00
51 ROCK SLOPE PROTECTION FABRIC	S.Y.	20,550	\$1.90	\$39,045.00	\$3.00	\$61,650.00	\$1.40	\$28,770.00
52 CONCRETE GROUT FOR GROUTED ROCK RIPRAP AND GROUTED NO. 2 BACKING CLASS	C.Y.	320	\$153.00	\$48,960.00	\$100.00	\$32,000.00	\$150.00	\$48,000.00
53 FILTER DIAPHRAGM MATERIAL	C.Y.	32	\$70.00	\$2,240.00	\$50.00	\$1,600.00	\$1,970.00	\$63,040.00
54 DUST ABATEMENT	L.S.	1	\$44,000.00	\$44,000.00	\$13,500.00	\$13,500.00	\$175,000.00	\$175,000.00
55 STORMWATER AND NON-STORMWATER POLLUTION CONTROL	L.S.	1	\$102,000.00	\$102,000.00	\$21,960.00	\$21,960.00	\$70,650.00	\$70,650.00
56 COLOR VARNISH	S.F.	84,000	\$0.24	\$20,160.00	\$0.30	\$25,200.00	\$0.45	\$37,800.00
			\$10,480,541.00		\$10,562,256.00		\$10,914,699.00	

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			Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
1 MOBILIZATION	L.S.	1	\$500,000.00	\$500,000.00	\$513,000.00	\$513,000.00	\$515,000.00	\$515,000.00
2 WATER CONTROL	L.S.	1	\$500,000.00	\$500,000.00	\$59,760.00	\$59,760.00	\$50,000.00	\$50,000.00
3 CLEARING AND MISCELLANEOUS WORK	L.S.	1	\$500,000.00	\$500,000.00	\$44,200.00	\$44,200.00	\$50,000.00	\$50,000.00
4 EXTRA DIRECTED WORK	L.S.	1	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00
5 DUMPED FILL REMOVAL	C.Y.	65,000	\$20.00	\$1,300,000.00	\$5.11	\$332,150.00	\$13.00	\$845,000.00
6 REMOVAL OF SURFICIAL SHOOTING RANGE DEBRIS	C.Y.	75	\$200.00	\$15,000.00	\$55.00	\$4,125.00	\$1,000.00	\$75,000.00
7 EXCAVATION AND STOCKPILING OF SUBSURFACE SHOOTING RANGE DEBRIS AND IMPACTED SOIL	C.Y.	2,925	\$20.00	\$58,500.00	\$66.00	\$193,050.00	\$300.00	\$877,500.00
8 CONFIRMATION SOIL SAMPLING	EACH	25	\$500.00	\$12,500.00	\$550.00	\$13,750.00	\$1,000.00	\$25,000.00
9 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (NON-HAZARDOUS)	TONS	11,250	\$50.00	\$562,500.00	\$41.50	\$466,875.00	\$95.00	\$1,068,750.00
10 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (RCRA)	TONS	1,500	\$100.00	\$150,000.00	\$197.42	\$296,130.00	\$200.00	\$300,000.00
11 WASTE PROFILING, TRANSPORTATION AND DISPOSAL (NON-RCRA)	TONS	1,500	\$200.00	\$300,000.00	\$67.99	\$101,985.00	\$125.00	\$187,500.00
12 FINAL CLOSURE REPORT	L.S.	1	\$10,000.00	\$10,000.00	\$3,850.00	\$3,850.00	\$5,000.00	\$5,000.00
13 UNDERGROUND STORAGE TANK (UST) REMOVAL	L.S.	1	\$15,000.00	\$15,000.00	\$3,770.00	\$3,770.00	\$15,000.00	\$15,000.00
14 BASIN EXCAVATION	C.Y.	31,030	\$10.00	\$310,300.00	\$3.30	\$102,399.00	\$8.00	\$248,240.00
15 BASIN EXCAVATION (ROCK)	C.Y.	4,000	\$20.00	\$80,000.00	\$12.55	\$50,200.00	\$20.00	\$80,000.00
16 ABUTMENT EXCAVATION AND SHAPING (ROCK)	C.Y.	52,500	\$10.00	\$525,000.00	\$13.10	\$687,750.00	\$20.00	\$1,050,000.00
17 DAM FOUNDATION EXCAVATION	C.Y.	90,000	\$10.00	\$900,000.00	\$2.77	\$249,300.00	\$22.00	\$1,980,000.00
18 SPILLWAY EXCAVATION	C.Y.	41,140	\$10.00	\$411,400.00	\$3.10	\$127,534.00	\$20.00	\$822,800.00
19 STILLING BASIN EXCAVATION	C.Y.	6,770	\$10.00	\$67,700.00	\$3.10	\$20,987.00	\$10.00	\$67,700.00
20 ACCESS ROAD EXCAVATION (ROCK)	C.Y.	7,310	\$10.00	\$73,100.00	\$9.60	\$70,176.00	\$20.00	\$146,200.00
21 OUTLET PIPE TRENCH EXCAVATION	C.Y.	2,320	\$10.00	\$23,200.00	\$12.60	\$29,232.00	\$15.00	\$34,800.00
22 OUTLET CHANNEL EXCAVATION	C.Y.	6,380	\$10.00	\$63,800.00	\$11.90	\$75,922.00	\$8.00	\$51,040.00
23 DAM EMBANKMENT CORE	C.Y.	32,300	\$10.00	\$323,000.00	\$17.97	\$580,431.00	\$34.00	\$1,098,200.00
24 DAM EMBANKMENT (UPSTREAM AND DOWNSTREAM SHELLS)	C.Y.	156,000	\$3.00	\$468,000.00	\$19.68	\$3,070,080.00	\$16.00	\$2,496,000.00

Project Name: EAGLE CANYON DAM AND DEBRIS BASIN

Project Number: 6-0-0190-01

Bid Open Date: 01/17/2013

Item No. & Description	Unit	Quantity	MINAKO AMERICA CORPORATION dba MINCO CONSTRUCTION		WOOD BROS., INC.		NORDIC INDUSTRIES, INC.	
			Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
25 BACKFILL FOR STILLING BASIN	C.Y.	7,980	\$10.00	\$79,800.00	\$12.80	\$102,144.00	\$25.00	\$199,500.00
26 FILL FOR ACCESS ROADS	C.Y.	22,780	\$5.00	\$113,900.00	\$12.80	\$291,584.00	\$25.00	\$569,500.00
27 TRENCH SAFETY SYSTEM	L.S.	1	\$210,000.00	\$210,000.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00
28 PERSONAL PROTECTIVE EQUIPMENT, OSHA TRAINING AND FITNESS TEST	L.S.	1	\$10,000.00	\$10,000.00	\$19,800.00	\$19,800.00	\$50,000.00	\$50,000.00
29 CLASS "A" CONCRETE, PIPE CRADLE	C.Y.	178	\$1,000.00	\$178,000.00	\$1,383.00	\$246,174.00	\$800.00	\$142,400.00
30 CLASS "A" CONCRETE, INTAKE STRUCTURE	C.Y.	38	\$1,000.00	\$38,000.00	\$1,909.00	\$72,542.00	\$1,500.00	\$57,000.00
31 CLASS "A" CONCRETE, STILLING BASIN STRUCTURE	C.Y.	921	\$1,000.00	\$921,000.00	\$1,018.00	\$937,578.00	\$700.00	\$644,700.00
32 CLASS "A" CONCRETE, OUTLET HEADWALL	C.Y.	37	\$1,000.00	\$37,000.00	\$1,419.00	\$52,503.00	\$700.00	\$25,900.00
33 CLASS "B" CONCRETE, CUTOFF WALL	C.Y.	26	\$1,000.00	\$26,000.00	\$798.00	\$20,748.00	\$1,100.00	\$28,600.00
34 CLASS "B" CONCRETE, SILL AT SPILLWAY CREST	C.Y.	6	\$1,000.00	\$6,000.00	\$754.00	\$4,524.00	\$1,100.00	\$6,600.00
35 CLASS "B" CONCRETE, V-DITCH	C.Y.	37	\$1,000.00	\$37,000.00	\$297.00	\$10,989.00	\$1,100.00	\$40,700.00
36 CLASS "B" CONCRETE, MISCELLANEOUS	C.Y.	78	\$1,000.00	\$78,000.00	\$1,716.00	\$133,848.00	\$800.00	\$62,400.00
37 SLUSH GROUT, DENTAL AND BACKFILL CONCRETE	C.Y.	1,000	\$1,000.00	\$1,000,000.00	\$484.20	\$484,200.00	\$300.00	\$300,000.00
38 42-INCH REINFORCED CONCRETE PRESSURE PIPE (RCPP), 4000D	L.F.	310	\$500.00	\$155,000.00	\$486.60	\$150,846.00	\$250.00	\$77,500.00
39 6-FOOT CHAIN LINK FENCE	L.F.	1,630	\$50.00	\$81,500.00	\$32.10	\$52,323.00	\$35.00	\$57,050.00
40 14-FOOT DOUBLE DRIVE GATES	EACH	1	\$7,000.00	\$7,000.00	\$3,971.00	\$3,971.00	\$3,000.00	\$3,000.00
41 STEEL GRATES FOR INTAKE STRUCTURE	L.S.	1	\$70,000.00	\$70,000.00	\$12,420.00	\$12,420.00	\$50,000.00	\$50,000.00
42 24-INCH SIDE INLET DRAIN PIPE	L.S.	1	\$10,000.00	\$10,000.00	\$23,995.00	\$23,995.00	\$15,000.00	\$15,000.00
43 WEEP HOLES ON SPILLWAY CHANNEL	L.F.	80	\$100.00	\$8,000.00	\$33.00	\$2,640.00	\$15.00	\$1,200.00
44 LEACH FIELD DRAINS	L.S.	1	\$100,000.00	\$100,000.00	\$37,267.00	\$37,267.00	\$50,000.00	\$50,000.00
45 ROCK SLOPE PROTECTION, 1-TON CLASS	TONS	1,800	\$50.00	\$90,000.00	\$46.97	\$84,546.00	\$50.00	\$90,000.00
46 ROCK SLOPE PROTECTION, 1/2-TON CLASS	TONS	630	\$50.00	\$31,500.00	\$47.60	\$29,988.00	\$50.00	\$31,500.00
47 ROCK SLOPE PROTECTION, 1/4-TON CLASS	TONS	21,000	\$10.00	\$210,000.00	\$45.97	\$965,370.00	\$25.00	\$525,000.00

Project Name: EAGLE CANYON DAM AND DEBRIS BASIN

Project Number: 6-0-0190-01

Bid Open Date: 01/17/2013

<i>Item No. & Description</i>	<i>Unit</i>	<i>Quantity</i>	MINAKO AMERICA CORPORATION dba MINCO CONSTRUCTION		WOOD BROS., INC.		NORDIC INDUSTRIES, INC.	
			<i>Unit Bid</i>	<i>Total Bid</i>	<i>Unit Bid</i>	<i>Total Bid</i>	<i>Unit Bid</i>	<i>Total Bid</i>
48 ROCK SLOPE PROTECTION, LIGHT CLASS	TONS	15	\$100.00	\$1,500.00	\$165.00	\$2,475.00	\$100.00	\$1,500.00
49 CRUSHED ROCK	C.Y.	620	\$50.00	\$31,000.00	\$52.10	\$32,302.00	\$80.00	\$49,600.00
50 FILTER BLANKET, NO. 2 BACKING CLASS	C.Y.	4,935	\$40.00	\$197,400.00	\$87.00	\$429,345.00	\$90.00	\$444,150.00
51 ROCK SLOPE PROTECTION FABRIC	S.Y.	20,550	\$5.00	\$102,750.00	\$4.90	\$100,695.00	\$2.50	\$51,375.00
52 CONCRETE GROUT FOR GROUTED ROCK RIPRAP AND GROUTED NO. 2 BACKING CLASS	C.Y.	320	\$50.00	\$16,000.00	\$232.30	\$74,336.00	\$200.00	\$64,000.00
53 FILTER DIAPHRAGM MATERIAL	C.Y.	32	\$100.00	\$3,200.00	\$283.00	\$9,056.00	\$120.00	\$3,840.00
54 DUST ABATEMENT	L.S.	1	\$500,000.00	\$500,000.00	\$331,200.00	\$331,200.00	\$100,000.00	\$100,000.00
55 STORMWATER AND NON-STORMWATER POLLUTION CONTROL	L.S.	1	\$17,220.00	\$17,220.00	\$70,796.00	\$70,796.00	\$100,000.00	\$100,000.00
56 COLOR VARNISH	S.F.	84,000	\$0.50	\$42,000.00	\$0.34	\$28,560.00	\$0.30	\$25,200.00
			\$11,777,770.00		\$12,120,421.00		\$16,175,945.00	

LIST OF SUBCONTRACTORS

Contractor Hal Hays Construction, Inc.

Eagle Canyon Dam and Debris Basin
Project No. 6-0-00190

Give the name and the location of the place of business of each Subcontractor who will perform work or labor or render service to the General Contractor in or about the construction of the work or improvement, or a Subcontractor who specially fabricates and installs a portion of the work or improvement, in an amount in excess of one-half (1/2) of one percent (1%) of the General Contractor's total bid. List the bid item numbers of the work each subcontractor will do. If a portion of an item is to be subcontracted, show what percentage of that item is to be subcontracted.

Item No. (s) Portion 56

Name of Subcontractor Soil Tech

Address/City/Phone 6420 S. Cameron Dr Ste 207 Las Vegas

License No. 933394 702-873-2023

Item No. (s) Portion 15, 16, 18, 20

Name of Subcontractor EDICK & WATT INC

Address/City/Phone PO BOX 13428 EL CAJON CA 619-442-8883

License No. 622534

Item No. (s) Portion of 39, 40

Name of Subcontractor WESTBROOK FENCE

Address/City/Phone PO Box 90310, S B 909-887-2638

License No. 615318

Item No. (s) ~~11, 12~~ Dan Copp Crushing, Portion of 23, 24

Name of Subcontractor Dan Copp Crushing

Address/City/Phone 22895-C Savi Ranch Pky Yoeba Linda CA 714-777-6400

License No. 361248

Item No. (s) Portion of 5 Thru 12

Name of Subcontractor Brickley Environmental

Address/City/Phone 957 West Rocco St, S B 909-888-2010

License No. 610414

LIST OF SUBCONTRACTORS

Contractor Hal Hays Construction, Inc.

Eagle Canyon Dam and Debris Basin
Project No. 6-0-00190

Give the name and the location of the place of business of each Subcontractor who will perform work or labor or render service to the General Contractor in or about the construction of the work or improvement, or a Subcontractor who specially fabricates and installs a portion of the work or improvement, in an amount in excess of one-half (1/2) of one percent (1%) of the General Contractor's total bid. List the bid item numbers of the work each subcontractor will do. If a portion of an item is to be subcontracted, show what percentage of that item is to be subcontracted.

Item No. (s) portion of 2A thru 36 & 42
Name of Subcontractor Amber Steel
Address/City/Phone 312 Willow Ave Rialto CA 91054
License No. 268566 909-874-2213

Item No. (s) _____
Name of Subcontractor _____
Address/City/Phone _____
License No. _____

Item No. (s) _____
Name of Subcontractor _____
Address/City/Phone _____
License No. _____

Item No. (s) _____
Name of Subcontractor _____
Address/City/Phone _____
License No. _____

Item No. (s) _____
Name of Subcontractor _____
Address/City/Phone _____
License No. _____