

CONSTRUCTION DIVISION

SPECIFICATION NO. 2727
 BERTHS 171-173 ENVIRONMENTAL SITE REMEDIATION
 PROJ. CONST. MGR.: ROBEL AFERWERKI

ENGINEERING ESTIMATE: \$22,072,970.00
 ADVERTISED DATE: NOVEMBER 6, 2014
 BID OPENING DATE: JUNE 10, 2015

	GRAND TOTAL ITEM 1-43	ITEM 1 LUMP SUM CONSTRUCTION LUMP SUM	ITEM 2 DEMOLITION AND REMOVALS LUMP SUM
ENGINEERING ESTIMATE	\$22,072,970.00	\$1,540,500.00	\$ 80,000.00
1. GGG DEMOLITION, INC.	\$20,124,243.00	\$1,324,000.00	\$ 250,000.00
2. SUKUT CONSTRUCTION	\$20,277,510.00	\$2,916,000.00	\$ 125,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$20,999,000.00	\$5,698,000.00	\$ 200,000.00
4. GRIFFITH COMPANY	\$21,863,824.00	\$3,915,000.00	\$ 300,000.00
5. PARSONS	\$21,286,821.84	\$1,883,735.00	\$ 292,914.00
6. MAGNUS PACIFIC LCC	\$21,409,487.00	\$1,218,800.00	\$ 163,100.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$24,558,930.00	\$1,250,000.00	\$ 290,000.00
8. PACIFIC STATES	\$25,398,935.00	\$1,782,000.00	\$ 101,500.00

1) AVERAGE BID	\$21,989,843.86	\$2,498,441.88	\$215,314.25
2) STANDARD DEVIATION	\$ 1,944,345.88	\$ 1,598,424.29	\$ 79,323.62
3) ENG. EST. - LOW BIDDER	\$ 1,948,727.00	\$ 216,500.00	\$ (170,000.00)

* AS IN BID

TRANSMITTAL 1

SPECIFICATION NO. 2727
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	ITEM 3		ITEM 4	
	ABANDONMENT OF GROUNDWATER MONITORING WELLS		ASBESTOS ABATEMENT	
	Wells Approx. Qty. =	24	Lin. Ft. Approx. Qty. =	300
ENGINEERING ESTIMATE	\$ 2,350.00	\$56,400.00	\$ 250.00	\$75,000.00
1. GGG DEMOLITION, INC.	\$ 1,650.00	\$39,600.00	\$ 40.25	\$12,075.00
2. SUKUT CONSTRUCTION	\$ 2,400.00	\$57,600.00	\$ 55.00	\$16,500.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 3,000.00	\$72,000.00	\$ 60.00	\$18,000.00
4. GRIFFITH COMPANY	\$ 5,000.00	\$120,000.00	\$ 93.00	\$27,900.00
5. PARSONS	\$ 3,983.80	* \$95,611.00 \$95,611.20	\$ 87.46	* \$26,239.00 \$26,238.00
6. MAGNUS PACIFIC LCC	\$ 4,455.00	\$106,920.00	\$ 76.00	\$22,800.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 1,900.00	\$45,600.00	\$ 150.00	\$45,000.00
8. PACIFIC STATES	\$ 1,700.00	\$40,800.00	\$ 160.00	\$48,000.00

1) AVERAGE BID	\$3,011.10		\$72,266.40	\$90.21	\$27,064.13
2) STANDARD DEVIATION	\$ 1,318.35	\$	31,640.50	\$ 43.61	\$ 13,082.18
3) ENG. EST. - LOW BIDDER	\$ 700.00	\$	16,800.00	\$ 209.75	\$ 62,925.00

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SPECIFICATION NO. 2727
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	ITEM 5		ITEM 6	
	SAMPLING, CHARACTERIZING, LOADING, TRANSPORTING, & DISPOSING OF EXISTING SOIL STOCKPILE OFF SITE AS NON HAZARDOUS WASTE		EXCAVATION, TRANSPORTATION, & DISPOSAL OF LEAD IMPACTED NON-RESOURCE CONSERVATION & RECOVERY ACT (NON-RCRA) SOIL, EXCAVATIONS A, G, K, L, M, AND X	
	Tons Approx. Qty. =	2600	Cu. Yds. Approx. Qty. =	20
ENGINEERING ESTIMATE	\$ 45.00	\$117,000.00	\$ 155.00	\$3,100.00
1. GGG DEMOLITION, INC.	\$ 57.00	\$148,200.00	\$ 345.00	\$6,900.00
2. SUKUT CONSTRUCTION	\$ 52.00	\$135,200.00	500	\$10,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 50.00	\$130,000.00	\$ 300.00	\$6,000.00
4. GRIFFITH COMPANY	\$ 47.00	\$122,200.00	\$ 210.00	\$4,200.00
5. PARSONS	\$ 46.32	* \$120,427.00 \$120,432.00	\$ 501.26	* \$10,025.00 \$10,025.20
6. MAGNUS PACIFIC LCC	\$ 55.50	\$144,300.00	\$ 380.00	\$7,600.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 65.00	\$169,000.00	\$ 195.00	\$3,900.00
8. PACIFIC STATES	\$ 55.50	\$144,300.00	\$ 440.00	\$8,800.00

1) AVERAGE BID	\$53.54	\$139,204.00	\$358.91	\$7,178.15
2) STANDARD DEVIATION	\$ 6.10	\$ 15,869.73	\$ 119.46	\$ 2,389.20
3) ENG. EST. - LOW BIDDER	\$ (12.00)	\$ (31,200.00)	\$ (190.00)	\$ (3,800.00)

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SPECIFICATION NO. 2727

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	ITEM 7		ITEM 8	
	EXCAVATION, TRANSPORTATION, & DISPOSAL OF LEAD IMPACTED RESOURCE CONSERVATION & RECOVERY ACT (RCRA) SOIL, EXCAVATIONS B, C, D, & J		EXCAVATING & STOCKPILING OF TOP 1.5 FEET OF CHEMICALLY IMPACTES SOIL (CIS) INCLUDING EXCAVATIONS A THROUGH AG WITH AN UNKNOWN WASTE DESIGNATION	
	Cu. Yds. Approx. Qty. =	25	Cu. Yds. Approx. Qty. =	22000
ENGINEERING ESTIMATE	\$ 380.00	\$9,500.00	\$ 8.00	\$176,000.00
1. GGG DEMOLITION, INC.	\$ 345.00	\$8,625.00	\$ 10.35	\$227,700.00
2. SUKUT CONSTRUCTION	\$ 700.00	\$17,500.00	\$ 8.00	\$176,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 500.00	\$12,500.00	\$ 8.00	\$176,000.00
4. GRIFFITH COMPANY	\$ 210.00	\$5,250.00	\$ 10.00	\$220,000.00
5. PARSONS	\$ 523.25	* \$13,081.00 \$13,081.25	\$ 12.37	* \$272,165.00 \$272,140.00
6. MAGNUS PACIFIC LCC	\$ 559.00	\$13,975.00	\$ 11.50	\$253,000.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 360.00	\$9,000.00	\$ 18.50	\$407,000.00
8. PACIFIC STATES	\$ 570.00	\$14,250.00	\$ 4.70	\$103,400.00

1) AVERAGE BID	\$470.91	\$11,772.66	\$10.43	\$229,405.00
2) STANDARD DEVIATION	\$ 155.78	\$ 3,894.54	\$ 4.05	\$ 89,119.34
3) ENG. EST. - LOW BIDDER	\$ 35.00	\$ 875.00	\$ (2.35)	\$ (51,700.00)

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	ITEM 9		ITEM 10	
	EXCAVATION OF CHEMICALLY IMPACTED SOIL (CIS) BELOW 1.5 FEET BELOW GROUND SURFACE		EXCAVATING & STOCKPILING OF NON-CHEMICALLY IMPACTED SOIL (NON-CIS)	
	Cu. Yds. Approx. Qty. = 60000		Cu. Yds. Approx. Qty. = 6800	
ENGINEERING ESTIMATE	\$ 5.00	\$300,000.00	\$ 8.00	\$54,400.00
		* \$320,112.00		
1. GGG DEMOLITION, INC.	\$ 5.34	\$320,400.00	\$ 9.20	\$62,560.00
2. SUKUT CONSTRUCTION	\$ 6.50	\$390,000.00	\$ 5.20	\$35,360.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 12.00	\$720,000.00	\$ 7.00	\$47,600.00
4. GRIFFITH COMPANY	\$ 6.60	\$396,000.00	\$ 10.00	\$68,000.00
		* \$1,206,405.00		
5. PARSONS	\$ 20.11	\$1,206,600.00	\$ 18.48	\$125,664.00
6. MAGNUS PACIFIC LCC	\$ 4.95	\$297,000.00	\$ 5.40	\$36,720.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 18.50	\$1,110,000.00	\$ 18.50	\$125,800.00
8. PACIFIC STATES	\$ 15.00	\$900,000.00	\$ 7.60	\$51,680.00

1) AVERAGE BID	\$11.13	\$667,500.00	\$10.17	\$69,173.00
2) STANDARD DEVIATION	\$ 6.15	\$ 368,726.52	\$ 5.39	\$ 36,666.20
3) ENG. EST. - LOW BIDDER	\$ (0.34)	\$ (20,400.00)	\$ (1.20)	\$ (8,160.00)

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SPECIFICATION NO. 2727
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	ITEM 11		ITEM 12	
	SOIL STOCKPILE SAMPLES OF TOAL LEAD & SOLUBLE LEAD FROM SURFACE TO 1.5 FEET BELOW GROUND SURFACE		SOIL STOCKPILE SAMPLES OF NON-CHEMICALLY IMPACTED SOIL (NON-CIS)	
	Samples Approx. Qty. = 40		Samples Approx. Qty. = 25	
ENGINEERING ESTIMATE	\$ 100.00	\$4,000.00	\$ 600.00	\$15,000.00
1. GGG DEMOLITION, INC.	\$ 130.00	\$5,200.00	\$ 368.00	\$9,200.00
2. SUKUT CONSTRUCTION	\$ 225.00	\$9,000.00	\$ 750.00	\$18,750.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 100.00	\$4,000.00	\$ 500.00	\$12,500.00
4. GRIFFITH COMPANY	\$ 570.00	\$22,800.00	\$ 760.00	\$19,000.00
5. PARSONS	\$ 566.95	\$22,678.00	\$ 368.93	\$9,223.25
6. MAGNUS PACIFIC LCC	\$ 257.00	\$10,280.00	\$ 796.00	\$19,900.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 72.00	\$2,880.00	\$ 340.00	\$8,500.00
8. PACIFIC STATES	\$ 200.00	\$8,000.00	\$ 405.00	\$10,125.00

1) AVERAGE BID	\$265.12		\$10,604.75	\$535.99	\$13,399.78
2) STANDARD DEVIATION	\$ 197.41	\$	7,896.28	\$ 198.78	\$ 4,969.38
3) ENG. EST. - LOW BIDDER	\$ (30.00)	\$	(1,200.00)	\$ 232.00	\$ 5,800.00

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	ITEM 13		ITEM 14	
	CONFIRMATION SAMPLE COLLECTION & ANALYSIS OF EXCAVATIONS A THROUGH AG		CONFIRMATION SAMPLE COLLECTION & ANALYSIS FROM THE VADOSE ZONE OF EXCAVATIONS 1 THROUGH 11	
	Samples Approx. Qty. =	200	Samples Approx. Qty. =	400
ENGINEERING ESTIMATE	\$ 40.00	\$8,000.00	\$ 545.00	\$218,000.00
1. GGG DEMOLITION, INC.	\$ 368.00	\$73,600.00	\$ 368.00	\$147,200.00
2. SUKUT CONSTRUCTION	\$ 105.00	\$21,000.00	\$ 575.00	\$230,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 125.00	\$25,000.00	\$ 600.00	\$240,000.00
4. GRIFFITH COMPANY	\$ 615.00	\$123,000.00	\$ 925.00	\$370,000.00
5. PARSONS	\$ 72.73	\$14,546.00	\$ 198.16	* \$79,265.00 \$79,264.00
6. MAGNUS PACIFIC LCC	\$ 134.00	\$26,800.00	\$ 734.00	\$293,600.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 52.00	\$10,400.00	\$ 340.00	\$136,000.00
8. PACIFIC STATES	\$ 115.00	\$23,000.00	\$ 493.00	\$197,200.00

1) AVERAGE BID	\$198.34		\$39,668.25	\$529.15		\$211,658.00
2) STANDARD DEVIATION	\$ 194.48	\$	38,896.17	\$ 232.50	\$	92,999.65
3) ENG. EST. - LOW BIDDER	\$ (328.00)	\$	(65,600.00)	\$ 177.00	\$	70,800.00

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SPECIFICATION NO. 2727

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	ITEM 15		ITEM 16	
	CONFIRMATION SAMPLE COLLECTION & ANALYSIS FROM THE INTERTIDAL ZONE OF EXCAVATIONS 1 THROUGH 11		TRANSPORTATION & TREATMENT-OR-DISPOSAL OF NON- HAZARDOUS CHEMICALLY-IMPACTED SOIL (CIS) AT OFFSITE THERMAL TREATMENT OR DISPOSAL FACILITY	
	Samples	Approx. Qty. =	300	Tons
	Approx. Qty. =		Approx. Qty. =	128000
ENGINEERING ESTIMATE	\$ 170.00	\$51,000.00	\$ 55.00	\$7,040,000.00
1. GGG DEMOLITION, INC.	\$ 368.00	\$110,400.00	\$ 57.88	* \$7,408,890.86 \$7,408,640.00
2. SUKUT CONSTRUCTION	\$ 590.00	\$177,000.00	\$ 45.00	\$5,760,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 600.00	\$180,000.00	\$ 40.00	\$5,120,000.00
4. GRIFFITH COMPANY	\$ 925.00	\$277,500.00	\$ 52.50	\$6,720,000.00
5. PARSONS	\$ 250.41	* \$75,124.00 \$75,123.00	\$ 60.15	* \$7,699,580.00 \$7,699,200.00
6. MAGNUS PACIFIC LCC	\$ 755.00	\$226,500.00	\$ 46.37	\$5,935,360.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 340.00	\$102,000.00	\$ 62.00	\$7,936,000.00
8. PACIFIC STATES	\$ 493.00	\$147,900.00	\$ 76.00	\$9,728,000.00

1) AVERAGE BID	\$540.18	\$162,052.88	\$54.99	\$7,038,400.00
2) STANDARD DEVIATION	\$ 225.58	\$ 67,674.07	\$ 11.53	\$ 1,475,805.31
3) ENG. EST. - LOW BIDDER	\$ (198.00)	\$ (59,400.00)	\$ (2.88)	\$ (368,640.00)

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SPECIFICATION NO. 2727

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	ITEM 17	ITEM 18	
	LIGHT NON-AQUEOUS PHASE LIQUIDS (LNAPL) SKIMMING & REMOVAL	LIGHT NON-AQUEOUS PHASE LIQUIDS (LNAPL)/WATER MIX DISPOSAL	
	LUMP SUM	Gallons Approx. Qty. =	103000
ENGINEERING ESTIMATE	\$270,000.00	\$ 0.85	\$87,550.00
			* \$116,817.00
1. GGG DEMOLITION, INC.	\$102,600.00	\$ 1.13	\$116,390.00
2. SUKUT CONSTRUCTION	\$100,000.00	\$ 0.30	\$30,900.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$50,000.00	\$ 1.00	\$103,000.00
4. GRIFFITH COMPANY	\$70,000.00	\$ 0.30	\$30,900.00
			* \$122,662.00
5. PARSONS	\$74,438.00	\$ 1.19	\$122,570.00
6. MAGNUS PACIFIC LCC	\$148,600.00	\$ 0.34	\$35,020.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$175,000.00	\$ 2.50	\$257,500.00
8. PACIFIC STATES	\$331,000.00	\$ 3.20	\$329,600.00

1) AVERAGE BID		\$131,454.75	\$ 1.25	\$128,235.00
2) STANDARD DEVIATION	\$	90,627.12	\$ 1.07	\$ 110,649.86
3) ENG. EST. - LOW BIDDER	\$	167,400.00	\$ (0.28)	\$ (28,840.00)

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	ITEM 19		ITEM 20	
	PLACING & MIXING OF MAGNESIUM PEROXIDE OXYGEN RELEASING COMPOUND (ORC) TO BASE OF EXCAVATION		PLACING & MIXING OF NITROGEN AS A COMPONENT OF FERTILIZER TO BASE OF EXCAVATION	
	Pounds ORC Approx. Qty. =	885000	Pounds Nitrogen Approx. Qty. =	130000
ENGINEERING ESTIMATE	\$ 2.10	\$1,858,500.00	\$ 2.67	\$347,100.00
		* \$3,097,707.80		* \$303,397.60
1. GGG DEMOLITION, INC.	\$ 3.50	\$3,097,500.00	\$ 2.33	\$302,900.00
2. SUKUT CONSTRUCTION	\$ 3.25	\$2,876,250.00	\$ 5.50	\$715,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 2.50	\$2,212,500.00	\$ 4.00	\$520,000.00
4. GRIFFITH COMPANY	\$ 3.00	\$2,655,000.00	\$ 1.50	\$195,000.00
		* \$3,149,330.00		* 164,581.00
5. PARSONS	\$ 3.56	\$3,150,600.00	\$ 1.27	\$165,100.00
6. MAGNUS PACIFIC LCC	\$ 4.15	\$3,672,750.00	\$ 5.20	\$676,000.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 5.20	\$4,602,000.00	\$ 5.85	\$760,500.00
8. PACIFIC STATES	\$ 3.64	\$3,221,400.00	\$ 4.45	\$578,500.00

1) AVERAGE BID	\$3.60	\$3,186,000.00	\$3.76	\$489,125.00
2) STANDARD DEVIATION	\$ 0.81	\$ 714,935.41	\$ 1.83	\$ 237,459.41
3) ENG. EST. - LOW BIDDER	\$ (1.40)	\$ (1,239,000.00)	\$ 0.34	\$ 44,200.00

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SPECIFICATION NO. 2727

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	ITEM 21		ITEM 22	
	PLACING & MIXING OF PHOSPHATE AS A COMPONENT OF FERTILIZER TO BASE OF EXCAVATION		COLLECTION & ANALYSIS OF NUTRIENT VERIFICATION SAMPLING	
	Pounds Phosphate Approx. Qty. =	32000	Samples Approx. Qty. =	110
ENGINEERING ESTIMATE	\$ 3.56	\$113,920.00	\$ 135.00	\$14,850.00
		* \$84,511.20		
1. GGG DEMOLITION, INC.	\$ 2.64	\$84,480.00	\$ 57.50	\$6,325.00
2. SUKUT CONSTRUCTION	\$ 5.50	\$176,000.00	\$ 140.00	\$15,400.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 7.00	\$224,000.00	\$ 100.00	\$11,000.00
4. GRIFFITH COMPANY	\$ 1.50	\$48,000.00	\$ 425.00	\$46,750.00
		* \$42,296.00		
5. PARSONS	\$ 1.32	\$42,240.00	\$ 393.61	\$43,297.10
6. MAGNUS PACIFIC LCC	\$ 9.45	\$302,400.00	\$ 310.00	\$34,100.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 5.85	\$187,200.00	\$ 100.00	\$11,000.00
8. PACIFIC STATES	\$ 18.00	\$576,000.00	\$ 250.00	\$27,500.00

1) AVERAGE BID	\$6.41	\$205,040.00	\$222.01	\$24,421.51
2) STANDARD DEVIATION	\$ 5.47	\$ 174,974.07	\$ 142.80	\$ 15,707.80
3) ENG. EST. - LOW BIDDER	\$ 0.92	\$ 29,440.00	\$ 77.50	\$ 8,525.00

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	ITEM 23		ITEM 24	
	COLLECTION AND ANALYSES OF WASTE DISCHARGE REQUIREMENT (WDR) SOIL SAMPLES		INSTALLATION OF UNDERGROUND PROCESS PIPING	
	Samples Approx. Qty. =	60	LUMP SUM	
ENGINEERING ESTIMATE	\$ 150.00	\$9,000.00	\$	320,000.00
1. GGG DEMOLITION, INC.	\$ 425.50	\$25,530.00	\$	132,700.00
2. SUKUT CONSTRUCTION	\$1,850.00	\$111,000.00	\$	135,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$1,000.00	\$60,000.00	\$	175,000.00
4. GRIFFITH COMPANY	\$1,600.00	\$96,000.00	\$	200,000.00
5. PARSONS	\$ 379.67	\$22,780.20	\$	70,925.00
6. MAGNUS PACIFIC LCC	\$1,410.00	\$84,600.00	\$	103,900.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 400.00	\$24,000.00	\$	235,000.00
8. PACIFIC STATES	\$1,620.00	\$97,200.00	\$	258,000.00

1) AVERAGE BID	\$1,085.65		\$65,138.78	\$163,815.63
2) STANDARD DEVIATION	\$ 615.42	\$	36,925.09	64,795.70
3) ENG. EST. - LOW BIDDER	\$ (275.50)	\$	(16,530.00)	187,300.00

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	ITEM 25		ITEM 26	
	INSTALLATION OF GROUNDWATER WELL CONDUCTOR CASINGS		PLACEMENT OF SUBGRADE STABILIZATION MATERIAL - NO. 2 AGGREGATE	
	Each Approx. Qty. =		34 Tons Approx. Qty. =	62000
ENGINEERING ESTIMATE	\$ 750.00	\$25,500.00	\$ 40.00	\$2,480,000.00
1. GGG DEMOLITION, INC.	\$ 3,565.00	\$121,210.00	\$ 30.40	* \$1,884,543.33 \$1,884,800.00
2. SUKUT CONSTRUCTION	\$ 800.00	\$27,200.00	\$ 32.00	\$1,984,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 1,200.00	\$40,800.00	\$ 35.00	\$2,170,000.00
4. GRIFFITH COMPANY	\$ 1,400.00	\$47,600.00	\$ 30.00	\$1,860,000.00
5. PARSONS	\$ 1,839.96	* \$62,559.00 \$62,558.64	\$ 31.05	* \$1,925,268.00 \$1,925,100.00
6. MAGNUS PACIFIC LCC	\$ 1,450.00	\$49,300.00	\$ 35.40	\$2,194,800.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 900.00	\$30,600.00	\$ 35.00	\$2,170,000.00
8. PACIFIC STATES	\$ 920.00	\$31,280.00	\$ 41.00	\$2,542,000.00

1) AVERAGE BID	\$1,509.37		\$51,318.58	\$33.73	\$2,091,337.50
2) STANDARD DEVIATION	\$ 899.84	\$	30,594.59	\$ 3.67	\$ 227,253.09
3) ENG. EST. - LOW BIDDER	\$(2,815.00)	\$	\$(95,710.00)	\$ 9.60	\$ 595,200.00

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	ITEM 27		ITEM 28	
	PLACEMENT OF SUBGRADE STABILIZATION MATERIAL - NO. 68 AGGREGATE		GEOTEXTILE FOR EXCAVATION SUBGRADE STABILIZATION MATERIAL	
	Tons Approx. Qty. =	5900	Sq. Ft. Approx. Qty. =	421000
ENGINEERING ESTIMATE	\$ 42.00	\$247,800.00	\$ 0.75	\$315,750.00
1. GGG DEMOLITION, INC.	\$ 38.00	\$224,200.00	\$ 0.27	* \$114,090.35 \$113,670.00
2. SUKUT CONSTRUCTION	\$ 30.00	\$177,000.00	\$ 0.25	\$105,250.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 35.00	\$206,500.00	\$ 0.20	\$84,200.00
4. GRIFFITH COMPANY	\$ 30.00	\$177,000.00	\$ 0.30	\$126,300.00
5. PARSONS	\$ 33.84	* \$199,651.00 \$199,656.00	\$ 0.43	* \$183,006.00 \$181,030.00
6. MAGNUS PACIFIC LCC	\$ 38.80	\$228,920.00	\$ 0.56	\$235,760.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 35.00	\$206,500.00	\$ 0.25	\$105,250.00
8. PACIFIC STATES	\$ 44.00	\$259,600.00	\$ 0.30	\$126,300.00

1) AVERAGE BID	\$35.58	\$209,922.00	\$0.32	\$134,720.00
2) STANDARD DEVIATION	\$ 4.68	\$ 27,591.97	\$ 0.12	\$ 49,609.66
3) ENG. EST. - LOW BIDDER	\$ 4.00	\$ 23,600.00	\$ 0.48	\$ 202,080.00

* AS IN BID

SPECIFICATION NO. 2727

BERTHS 171-173 ENVIRONMENTAL SITE REM

PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 29		ITEM 30	
	GEOMEMBRANE LINER		IMPORTING, PLACING, & GRADING OF FILL SOIL	
	Sq. Ft. Approx. Qty. =	16000	Cu. Yds. Approx. Qty. =	47000
ENGINEERING ESTIMATE	\$ 0.75	\$12,000.00	\$ 40.00	\$1,880,000.00
		* \$10,580.00		
1. GGG DEMOLITION, INC.	\$ 0.66	\$10,560.00	\$ 28.60	\$1,344,200.00
2. SUKUT CONSTRUCTION	\$ 3.00	\$48,000.00	\$ 23.00	\$1,081,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 2.50	\$40,000.00	\$ 10.00	\$470,000.00
4. GRIFFITH COMPANY	\$ 6.70	\$107,200.00	\$ 25.00	\$1,175,000.00
		* \$39,591.00		* \$927,384.00
5. PARSONS	\$ 2.47	\$39,520.00	\$ 19.73	\$927,310.00
6. MAGNUS PACIFIC LCC	\$ 2.25	\$36,000.00	\$ 41.00	\$1,927,000.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 2.25	\$36,000.00	\$ 30.00	\$1,410,000.00
8. PACIFIC STATES	\$ 3.55	\$56,800.00	\$ 19.30	\$907,100.00

1) AVERAGE BID	\$2.92	\$46,760.00	\$24.58	\$1,155,201.25
2) STANDARD DEVIATION	\$ 1.74	\$ 27,762.88	\$ 9.12	\$ 428,486.28
3) ENG. EST. - LOW BIDDER	\$ 0.09	\$ 1,440.00	\$ 11.40	\$ 535,800.00

* AS IN BID

SPECIFICATION NO. 2727

BERTHS 171-173 ENVIRONMENTAL SITE REM

PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 31		ITEM 32		
	COLLECTION AND ANALYSIS OF WASTE DISCHARGE REQUIREMENT (WDR) GROUNDWATER SAMPLES		PLACEMENT OF EXCAVATED NON-CHEMICALLY IMPACTED SOIL (NON-CIS) AS FILL (CONTINGENCY ITEM)		
	Samples	Approx. Qty. =	162	Cu. Yds. Approx. Qty. =	6800
ENGINEERING ESTIMATE	\$1,500.00	\$243,000.00	\$ 12.00	\$81,600.00	
1. GGG DEMOLITION, INC.	\$ 402.50	\$65,205.00	\$ 4.60	\$31,280.00	
2. SUKUT CONSTRUCTION	\$1,200.00	\$194,400.00	\$ 6.00	\$40,800.00	
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 350.00	\$56,700.00	\$ 4.00	\$27,200.00	
4. GRIFFITH COMPANY	\$1,200.00	\$194,400.00	\$ 9.29	\$63,172.00	
5. PARSONS	\$1,946.00	* \$315,230.00 \$315,252.00	\$ 7.51	* \$51,084.00 \$51,068.00	
6. MAGNUS PACIFIC LCC	\$ 931.00	\$150,822.00	\$ 4.20	\$28,560.00	
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 600.00	\$97,200.00	\$ 9.00	\$61,200.00	
8. PACIFIC STATES	\$ 535.00	\$86,670.00	\$ 3.60	\$24,480.00	

1) AVERAGE BID	\$895.56	\$145,081.13	\$6.03	\$40,970.00
2) STANDARD DEVIATION	\$ 540.92	\$ 87,628.82	\$ 2.30	\$ 15,646.17
3) ENG. EST. - LOW BIDDER	\$ 1,097.50	\$ 177,795.00	\$ 7.40	\$ 50,320.00

* AS IN BID

SPECIFICATION NO. 2727
BERTHS 171-173 ENVIRONMENTAL SITE REM
PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 33		ITEM 34	
	TRANSPORTATION & DISPOSAL OF EXCAVATED, UNSUITABLE NON-CHEMICALLY IMPACTED (NON-CIS) SOIL (CONTINGENCY ITEM)		TRANSPORTATION & DISPOSAL OF LEAD-CONT (OR OTHER) SOILS AT HAZ WASTE LEVELS AS NON-RESOURCE CONSERVATION & RECOVERY ACT (NON-RCRA) HAZARDOUS WASTE (CONTINGENCY ITEM)	
	Cu. Yds.	Approx. Qty. =	6800 Tons	Approx. Qty. =
				8100
ENGINEERING ESTIMATE	\$ 45.00	\$306,000.00	\$ 155.00	\$1,255,500.00
				* \$727,161.30
1. GGG DEMOLITION, INC.	\$ 59.92	\$407,456.00	\$ 89.77	\$727,137.00
2. SUKUT CONSTRUCTION	\$ 48.00	\$326,400.00	\$ 100.00	\$810,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 20.00	\$136,000.00	\$ 80.00	\$648,000.00
4. GRIFFITH COMPANY	\$ 35.42	\$240,856.00	\$ 86.62	\$701,622.00
		* \$198,555.00		* \$713,231.00
5. PARSONS	\$ 29.20	\$198,560.00	\$ 88.05	\$713,205.00
6. MAGNUS PACIFIC LCC	\$ 89.30	\$607,240.00	\$ 121.00	\$980,100.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 66.00	\$448,800.00	\$ 114.00	\$923,400.00
8. PACIFIC STATES	\$ 88.00	\$598,400.00	\$ 99.00	\$801,900.00

1) AVERAGE BID	\$54.48	\$370,464.00	\$97.31	\$788,170.50
2) STANDARD DEVIATION	\$ 26.00	\$ 176,791.59	\$ 14.17	\$ 114,811.84
3) ENG. EST. - LOW BIDDER	\$ (14.92)	\$ (101,456.00)	\$ 65.23	\$ 528,363.00

* AS IN BID

SPECIFICATION NO. 2727
BERTHS 171-173 ENVIRONMENTAL SITE REM
PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 35		ITEM 36			
	TRANSPORTATION & DISPOSAL OF LEAD-CONT (OR OTHER) SOILS AT HAZ WASTE LEVELS AS RESOURCE CONSERVATION & RECOVERY ACT (RCRA) HAZ WASTE (CONTINGENCY ITEM)		RAIN EVENT ACTION PLAN SAMPLING & TESTING FOR PH & TURBIDITY (CONTINGENCY ITEM)			
	Tons	Approx. Qty. =	1700	Sampled Rainy Days	Approx. Qty. =	30
ENGINEERING ESTIMATE	\$ 380.00		\$646,000.00	\$ 1,200.00		\$36,000.00
1. GGG DEMOLITION, INC.	\$ 214.00		\$363,800.00	\$ 1,100.00		\$33,000.00
2. SUKUT CONSTRUCTION	\$ 260.00		\$442,000.00	\$ 400.00		\$12,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 190.00		\$323,000.00	\$ 150.00		\$4,500.00
4. GRIFFITH COMPANY	\$ 199.22		\$338,674.00	\$ 150.00		\$4,500.00
5. PARSONS	\$ 151.94		* \$258,301.00 \$258,298.00	\$ 61.30		\$1,839.00
6. MAGNUS PACIFIC LCC	\$ 209.00		\$355,300.00	\$ 222.00		\$6,660.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 226.00		\$384,200.00	\$ 250.00		\$7,500.00
8. PACIFIC STATES	\$ 255.00		\$433,500.00	\$ 925.00		\$27,750.00

1) AVERAGE BID	\$213.15		\$362,346.50	\$407.29		\$12,218.63
2) STANDARD DEVIATION	\$ 35.06	\$	59,607.61	\$ 388.97	\$	11,669.20
3) ENG. EST. - LOW BIDDER	\$ 166.00	\$	282,200.00	\$ 100.00	\$	3,000.00

* AS IN BID

SPECIFICATION NO. 2727

BERTHS 171-173 ENVIRONMENTAL SITE REM

PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 37 UNFORESEEN UTILITY & SUBSTRUCTURE MODIFICATIONS, ADDITIONS, REMOVALS, & ABANDONMENT (ALLOWANCE ITEM)	ITEM 38 ADDITIONAL STOCKPILE SAMPLING (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 150,000.00	\$ 150,000.00
1. GGG DEMOLITION, INC.	\$ 150,000.00	\$ 150,000.00
2. SUKUT CONSTRUCTION	\$ 150,000.00	\$ 150,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 150,000.00	\$ 150,000.00
4. GRIFFITH COMPANY	\$ 150,000.00	\$ 150,000.00
5. PARSONS	\$ 150,000.00	\$ 150,000.00
6. MAGNUS PACIFIC LCC	\$ 150,000.00	\$ 150,000.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 150,000.00	\$ 150,000.00
8. PACIFIC STATES	\$ 150,000.00	\$ 150,000.00
1) AVERAGE BID	\$150,000.00	\$150,000.00
2) STANDARD DEVIATION	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -

* AS IN BID

SPECIFICATION NO. 2727
BERTHS 171-173 ENVIRONMENTAL SITE REM
PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 39	ITEM 40
	EXCAVATION TRANSPORTATION & DISPOSAL OF CHEM IMPACTED SOIL (CIS) & LIQUID AS NON-HAZ CIS, NON-RESOURCE CONSERVATION & RECOVERY ACT (NON-RCRA) HAZ WASTE, & RESOURCE CONSERVATION & RECOVERY ACT (RCRA) HAZ WASTE (ALLOWANCE ITEM)	FLAGPERSON (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 900,000.00	\$ 40,000.00
1. GGG DEMOLITION, INC.	\$ 900,000.00	\$ 40,000.00
2. SUKUT CONSTRUCTION	\$ 900,000.00	\$ 40,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 900,000.00	\$ 40,000.00
4. GRIFFITH COMPANY	\$ 900,000.00	\$ 40,000.00
5. PARSONS	\$ 900,000.00	\$ 40,000.00
6. MAGNUS PACIFIC LCC	\$ 900,000.00	\$ 40,000.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 900,000.00	\$ 40,000.00
8. PACIFIC STATES	\$ 900,000.00	\$ 40,000.00
1) AVERAGE BID	\$900,000.00	\$40,000.00
2) STANDARD DEVIATION	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -

* AS IN BID

SPECIFICATION NO. 2727
BERTHS 171-173 ENVIRONMENTAL SITE REM
PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 41	ITEM 42	ITEM 43
	QUALITY ASSURANCE	HAZARDOUS WASTE OPERATIONS (HAZWOPER) TRAINING	PARTNERING FACILITATOR
	(ALLOWANCE ITEM)	(ALLOWANCE ITEM)	(ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
1. GGG DEMOLITION, INC.	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
2. SUKUT CONSTRUCTION	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
4. GRIFFITH COMPANY	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
5. PARSONS	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
6. MAGNUS PACIFIC LCC	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00
8. PACIFIC STATES	\$ 300,000.00	\$ 35,000.00	\$ 50,000.00

1) AVERAGE BID	\$300,000.00	\$35,000.00	\$50,000.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ -

* AS IN BID

SPECIFICATION NO. 2727
BERTHS 171-173 ENVIRONMENTAL SITE REM
PROJ. CONST. MGR.: ROBEL AFERWERKI

	ITEM 44	GRAND TOTAL	LOCAL BUSINESS PREFERENCE
	UNFORESEEN REGULATORY REQUIREMENTS (ALLOWANCE ITEM)	BID ITEMS 1 -44	
ENGINEERING ESTIMATE	\$ 150,000.00	\$22,141,370.00	\$ -
1. GGG DEMOLITION, INC.	\$ 150,000.00	\$21,124,243.00	\$1,000,000.00
2. SUKUT CONSTRUCTION	\$ 150,000.00	\$21,277,510.00	\$1,000,000.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$ 150,000.00	\$21,999,000.00	\$1,000,000.00
4. GRIFFITH COMPANY	\$ 150,000.00	\$22,863,824.00	* \$1,829,106.00 \$1,000,000.00
5. PARSONS	\$ 150,000.00	* \$22,287,690.00 \$22,286,821.84	\$1,000,000.00
6. MAGNUS PACIFIC LCC	\$ 150,000.00	\$22,409,487.00	\$1,000,000.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$ 150,000.00	\$25,558,930.00	\$1,000,000.00
8. PACIFIC STATES	\$ 150,000.00	\$26,398,935.00	\$1,000,000.00
1) AVERAGE BID	\$150,000.00	\$22,989,843.86	\$1,000,000.00
2) STANDARD DEVIATION	\$ -	\$ 1,944,345.88	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ 1,017,127.00	\$ (1,000,000.00)

* AS IN BID

SPECIFICATION NO. 2727

BERTHS 171-173 ENVIRONMENTAL SITE REM

PROJ. CONST. MGR.: ROBEL AFERWERKI

	REDUCED BID AMOUNT
	GRAND TOTAL SUM LESS LOCAL BUSINESS PREFERENCE
ENGINEERING ESTIMATE	\$22,072,970.00
	* \$20,125,627.44
1. GGG DEMOLITION, INC.	\$20,124,243.00
2. SUKUT CONSTRUCTION	\$20,277,510.00
3. SHIMMICK CONSTRUCTION CO., INC.	\$20,999,000.00
	* \$21,034,718.00
4. GRIFFITH COMPANY	\$21,863,824.00
	* \$21,287,690.00
5. PARSONS	\$21,286,821.84
6. MAGNUS PACIFIC LCC	\$21,409,487.00
7. EL CAPITAN ENVIRONMENTAL SVCS.	\$24,558,930.00
8. PACIFIC STATES	\$25,398,935.00

1) AVERAGE BID		\$21,989,843.86
2) STANDARD DEVIATION	\$	1,944,345.88
3) ENG. EST. - LOW BIDDER	\$	1,948,727.00

* AS IN BID



SHAUN SHAHRESTANI
CHIEF HARBOR ENGINEER
CONSTRUCTION DIVISION