

PROJECT - SAND ISLAND ROAD WIDENING, 2ND BRIDGE AND APPROACHES
PROJECT NO. - FEDERAL AID PROJECT NO. BR-F-064-1(2)
TYPE CODE - I000, X081, Y007, Y030, Y060, Y080, Y102, CENG
ISLAND - OAHU

DATE ADVERTISED - HONOLULU ADVERTISED, APRIL 10, 13, & 15, 1987
BIDS OPENED - MAY 14, 1987
COMPLETION TIME - THREE HUNDRED EIGHTY (380) WORKING DAYS

				KIEWIT PACIFIC CO		HAWAIIAN DREDGING & CONSTRUCTION COMPANY A DIV OF DILLINGHAM CONSTR PACIFIC LTD		PPC-TOKYU JOINT VENTURE		STATE OF HAWAII	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
202.0100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	L.S.	0.00	110000.00	0.00	50000.00	0.00	331340.00	0.00	15000.00
203.0100	ROADWAY EXCAVATION	6953.	CU YD	23.00	159919.00	80.00	556240.00	26.88	186896.64	15.50	107771.50
203.0210	IMPORTED BORROW	15261.	CU YD	14.00	213654.00	13.00	198393.00	11.72	178858.92	15.50	236545.50
206.2021	STRUCTURE EXCAVATION FOR DRAINAGE SYSTEM	L.S.	L.S.	0.00	540000.00	0.00	759201.00	0.00	165891.00	0.00	796320.00
206.2041	STRUCTURE EXCAVATION FOR WATER SYSTEM	L.S.	L.S.	0.00	10000.00	0.00	25700.00	0.00	18159.00	0.00	1125.00
206.2051	STRUCTURE EXCAVATION FOR SEWER SYSTEM	L.S.	L.S.	0.00	120000.00	0.00	156600.00	0.00	40243.00	0.00	135540.00
206.6200	STRUCTURE EXCAVATION FOR BRIDGES	L.S.	L.S.	0.00	1000000.00	0.00	1203111.00	0.00	5550670.00	0.00	90600.00
206.7300	STRUCTURE BACKFILL FOR BRIDGES	L.S.	L.S.	0.00	20000.00	0.00	19200.00	0.00	35737.00	0.00	9400.00
206.8500	FILTER MATERIAL FOR BRIDGES	L.S.	L.S.	0.00	5000.00	0.00	2400.00	0.00	3426.00	0.00	1600.00
304.1110	AGGREGATE BASE	6126.	CU YD	38.00	232788.00	47.00	287922.00	58.49	358309.74	30.00	183780.00
310.0100	BROOMING OFF	7440.	SQ YD	.25	1860.00	1.00	7440.00	.16	1190.40	.15	1116.00
401.0300	ASPHALT CONCRETE PAVEMENT, MIX NO. III	9802.	TON	36.50	357773.00	38.00	372476.00	38.85	380807.70	55.00	539110.00
401.0500	ASPHALT CONCRETE PAVEMENT, MIX NO. V	5540.	TON	37.60	208304.00	39.00	216060.00	40.13	222320.20	85.00	470900.00
407.0100	SS-1 EMULSIFIED ASPHALT FOR BITUMINOUS TACK COAT	1200.	GAL	1.40	1680.00	1.50	1800.00	1.49	1788.00	1.00	1200.00
408.0100	MC-30 LIQUID ASPHALT FOR PRIME COAT	9082.	GAL	2.00	18164.00	2.50	22705.00	2.24	20343.68	1.00	9082.00
411.1118	13-1/2-INCH REINFORCED CONCRETE PAVEMENT	174.	CU YD	250.00	43500.00	270.00	46980.00	187.09	32553.66	200.00	34800.00
411.1119	15-INCH REINFORCED CONCRETE PAVEMENT	111.	CU YD	250.00	27750.00	240.00	26640.00	212.77	23617.47	200.00	22200.00
503.1092	CONCRETE IN BRIDGE (EXCEPT FOOTING AND SEAL)	2430.	CU YD	500.00	1215000.00	640.00	1555200.00	1000.49	2431190.70	381.00	925830.00
503.1093	CONCRETE IN BRIDGE FOOTING (EXCEPT SEAL)	1490.	CU YD	350.00	521500.00	175.00	260750.00	274.35	408781.50	230.76	343832.40
503.1094	CONCRETE IN SEAL	1750.	CU YD	250.00	437500.00	150.00	262500.00	264.96	463680.00	627.13	1097477.50
503.1900	TYPE "A" GRADE ADJUSTMENT WALL	L.S.	L.S.	0.00	20000.00	0.00	9850.40	0.00	10901.00	0.00	43200.00
503.1901	TYPE "B" GRADE ADJUSTMENT WALL	L.S.	L.S.	0.00	10000.00	0.00	11110.00	0.00	23376.00	0.00	14800.00
503.1902	TYPE "C" GRADE ADJUSTMENT WALL	L.S.	L.S.	0.00	20000.00	0.00	119400.00	0.00	84819.00	0.00	96400.00
503.1903	TYPE "D" GRADE ADJUSTMENT WALL	L.S.	L.S.	0.00	20000.00	0.00	43200.00	0.00	27333.00	0.00	18400.00
503.1904	MODIFIED TYPE "C" GRADE ADJUSTMENT WALL	L.S.	L.S.	0.00	2000.00	0.00	46400.00	0.00	14330.00	0.00	3200.00
503.2051	CLASS "B" CONCRETE FOR WATER SYSTEM	L.S.	L.S.	0.00	3000.00	0.00	8000.00	0.00	3085.00	0.00	1950.00
503.2061	CLASS "B" CONCRETE FOR SEWER SYSTEM	L.S.	L.S.	0.00	20000.00	0.00	9550.00	0.00	16684.00	0.00	9000.00
504.6500	KEEHI TYPE VI PRESTRESSED CONCRETE GIRDERS	L.S.	L.S.	0.00	723000.00	0.00	880000.00	0.00	2152466.00	0.00	752717.00
505.0001	PILE DRIVING EQUIPMENT EXPENSE (NOT TO EXCEED \$8,000)	L.S.	L.S.	0.00	8000.00	0.00	8000.00	0.00	7209.00	0.00	8000.00
505.0010	PILE LOAD TESTS	2.	EACH	20000.00	40000.00	67500.00	135000.00	43780.00	87560.00	10000.00	20000.00
505.0430	16-1/2-INCH PRESTRESSED CONCRETE PILES. FURNISHED	5200.	LIN FT	15.00	78000.00	20.00	104000.00	36.58	190216.00	20.00	104000.00
505.0431	20-INCH SQUARE PRESTRESSED CONCRETE PILES. FURNISHED	6630.	LIN FT	26.00	172380.00	33.00	218790.00	39.09	259166.70	35.50	235365.00
505.4300	16-1/2-INCH PRESTRESSED CONCRETE PILES DRIVEN	4860.	LIN FT	33.00	160380.00	43.00	208980.00	130.40	633744.00	26.80	130248.00

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505.4310	20-INCH SQUARE PRESTRESSED CONCRETE PILES, DRIVEN	6330.	LIN FT	15.00	94950.00	24.00	151920.00	108.98	689843.40	26.80	169644.00
505.4400	PRESTRESSED PILES FOR DRAINAGE SYSTEM, FURNISHED	212.	LIN FT	15.00	3180.00	20.00	4240.00	2.17	460.04	20.00	4240.00
505.4410	PRESTRESSED PILES FOR DRAINAGE SYSTEM, DRIVEN	200.	LIN FT	25.00	5000.00	24.00	4800.00	20.05	4010.00	26.80	5360.00
505.9000	EXTENSIONS OR "BUILD-UPS" OF PILES	F.A.	F.A.	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00
505.9100	RE-TAPPING OF PILES	F.A.	F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00
505.9200	REPAIR OR REPLACEMENT OF ENGINEER'S EQUIPMENT	F.A.	F.A.	0.00	2500.00	0.00	2500.00	0.00	2500.00	0.00	2500.00
505.9300	DYNAMIC INSTRUMENTATION AND TESTING	F.A.	F.A.	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00
507.0110	ALUMINUM RAILING	3703.	LIN FT	40.00	148120.00	40.00	148120.00	40.99	151785.97	50.00	185150.00
507.5100	CONCRETE RAILING TYPE "A"	693.	LIN FT	80.00	55440.00	108.00	74844.00	102.83	71261.19	80.00	55440.00
507.5200	CONCRETE RAILING TYPE "B"	670.	LIN FT	70.00	46900.00	76.00	50920.00	81.86	54846.20	60.00	40200.00
507.5300	CONCRETE RAILING TYPE "C"	702.	LIN FT	70.00	49140.00	87.00	61074.00	84.73	59480.46	45.00	31590.00
513.1001	PRECAST CONCRETE WALL PANELS (INCLUDING SOIL REINFORCING)	L.S.	L.S.	0.00	70000.00	0.00	91400.00	0.00	83616.00	0.00	54600.00
513.1002	SELECT GRANULAR BACKFILL MATERIAL FOR PRECAST CONCRETE PANEL RETAINING WALL	L.S.	L.S.	0.00	4000.00	0.00	54600.00	0.00	25623.00	0.00	17750.00
513.1003	CONCRETE LEVELING PAD	L.S.	L.S.	0.00	5000.00	0.00	3000.00	0.00	1813.00	0.00	565.00
513.1004	CAST-IN-PLACE COPING	L.S.	L.S.	0.00	20000.00	0.00	7900.00	0.00	7693.00	0.00	3255.00
515.1000	WEIGH HOUSE	L.S.	L.S.	0.00	70000.00	0.00	88000.00	0.00	66993.00	0.00	34410.00
602.0091	REINFORCING STEEL IN BRIDGE	L.S.	L.S.	0.00	800000.00	0.00	715000.00	0.00	680957.00	0.00	763040.00
602.0092	REINFORCING STEEL IN FOOTINGS	L.S.	L.S.	0.00	200000.00	0.00	138118.00	0.00	117097.00	0.00	114400.00
603.1010	24-INCH REINFORCED CONCRETE PIPE, CLASS III	5627.	LIN FT	58.00	326366.00	50.00	281350.00	276.17	1554008.59	50.00	281350.00
603.1012	30-INCH REINFORCED CONCRETE PIPE, CLASS III	211.	LIN FT	100.00	21100.00	66.00	13926.00	186.88	39431.68	55.00	11605.00
603.1014	36-INCH REINFORCED CONCRETE PIPE, CLASS III	205.	LIN FT	106.00	21730.00	75.00	15375.00	915.65	187708.25	55.00	11275.00
603.1024	66-INCH REINFORCED CONCRETE PIPE, CLASS III	148.	LIN FT	185.00	27380.00	159.00	23532.00	1103.59	163331.32	150.00	22200.00
603.9010	4-INCH DUCTILE IRON PIPE FOR DRAINAGE SYSTEM	25.	LIN FT	17.00	425.00	27.00	675.00	13.00	325.00	50.00	1250.00
603.9011	6-INCH DUCTILE IRON PIPE FOR DRAINAGE SYSTEM	60.	LIN FT	19.00	1140.00	28.00	1680.00	14.13	847.80	60.00	3600.00
603.9100	MODIFIED BOX CULVERT	L.S.	L.S.	0.00	20000.00	0.00	75400.00	0.00	98997.00	0.00	34600.00
604.0510	TYPE "A" CATCH BASIN, 5.0-FT. TO 7.9-FT.	2.	EACH	13000.00	26000.00	10000.00	20000.00	6771.00	13542.00	5779.00	11558.00
604.0511	TYPE "A" CATCH BASIN, 8.0-FT. TO 10.9-FT.	1.	EACH	15000.00	15000.00	11000.00	11000.00	22083.00	22083.00	6820.00	6820.00
604.0520	TYPE "B" CATCH BASIN, 5.0-FT. TO 7.9-FT.	3.	EACH	12000.00	36000.00	7500.00	22500.00	5759.67	17279.01	5123.00	15369.00
604.0521	TYPE "B" CATCH BASIN, 8.0-FT. TO 10.9-FT.	2.	EACH	15000.00	30000.00	9600.00	19200.00	21666.00	43332.00	6164.00	12328.00
604.0530	TYPE "C" CATCH BASIN, 0.0-FT. TO 4.9-FT.	6.	EACH	12000.00	72000.00	8100.00	48600.00	6303.67	37822.02	4091.00	24546.00
604.0531	TYPE "C" CATCH BASIN, 5.0-FT. TO 7.9-FT.	6.	EACH	13000.00	78000.00	8700.00	52200.00	7966.17	47797.02	5123.00	30738.00
604.0532	TYPE "C" CATCH BASIN, 8.0-FT. TO 10.9-FT.	1.	EACH	17000.00	17000.00	10000.00	10000.00	25514.00	25514.00	6164.00	6164.00
604.0533	MODIFIED TYPE "C" CATCH BASIN, 5.0-FT. TO 7.9-FT.	8.	EACH	13000.00	104000.00	8800.00	70400.00	8595.13	68761.04	5462.00	43696.00

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604.0540	TYPE "A1" CATCH BASIN, 5.0-FT. TO 7.9-FT.	1.	EACH	15000.00	15000.00	11100.00	11100.00	20106.00	20106.00	6071.00	6071.00
604.0541	TYPE "A1" CATCH BASIN, 8.0-FT. TO 10.9-FT.	1.	EACH	17000.00	17000.00	11800.00	11800.00	21455.00	21455.00	7112.00	7112.00
604.0550	TYPE "B1" CATCH BASIN, 5.0-FT. TO 7.9-FT.	1.	EACH	13000.00	13000.00	9800.00	9800.00	8377.00	8377.00	5473.00	5473.00
604.0551	TYPE "B1" CATCH BASIN, 8.0-FT. TO 10.9-FT.	3.	EACH	15000.00	45000.00	10500.00	31500.00	19986.33	59958.99	6514.00	19542.00
604.0552	MODIFIED TYPE "B1" CATCH BASIN, 5.0-FT. TO 7.9-FT.	1.	EACH	11000.00	11000.00	9900.00	9900.00	8130.00	8130.00	5461.00	5461.00
604.0553	MODIFIED TYPE "B1" CATCH BASIN, 11.0-FT TO 13.9-FT.	1.	EACH	18000.00	18000.00	11200.00	11200.00	13612.00	13612.00	7316.00	7316.00
604.0560	TYPE "C1" CATCH BASIN, 5.0-FT. TO 7.9-FT.	4.	EACH	12000.00	48000.00	9400.00	37600.00	8147.25	32589.00	5473.00	21892.00
604.0561	TYPE "C1" CATCH BASIN, 8.0-FT. TO 10.9-FT.	5.	EACH	15000.00	75000.00	10400.00	52000.00	22751.20	113756.00	6514.00	32570.00
604.0570	TYPE "MODIFIED" CATCH BASIN	2.	EACH	20000.00	40000.00	15600.00	31200.00	12707.50	25415.00	7800.00	15600.00
604.0610	DRAIN INLET, 5.0-FT. TO 8.0-FT.	2.	EACH	9000.00	18000.00	7300.00	14600.00	6600.50	13201.00	3200.00	6400.00
604.0611	DRAIN INLET, 15.0-FT. TO 18.0-FT.	1.	EACH	18000.00	18000.00	19000.00	19000.00	32476.00	32476.00	9500.00	9500.00
604.0710	TYPE "A" MANHOLE, 12.0-FT. TO 15.0-FT.	1.	EACH	15000.00	15000.00	7700.00	7700.00	19760.00	19760.00	4830.00	4830.00
604.0711	TYPE "F" MANHOLE, 8.0-FT. TO 10.9-FT.	1.	EACH	5000.00	5000.00	5300.00	5300.00	17523.00	17523.00	2800.00	2800.00
604.0712	TYPE "MODIFIED" STORM DRAIN MANHOLE #1, 8.0-FT. TO 10.9-FT.	1.	EACH	18000.00	18000.00	14700.00	14700.00	10663.00	10663.00	8300.00	8300.00
604.0713	STORM DRAIN MANHOLE 8A	1.	EACH	100000.00	100000.00	15500.00	15500.00	41539.00	41539.00	10806.00	10806.00
604.0910	TYPE "C" WATER MANHOLE	1.	EACH	2000.00	2000.00	3800.00	3800.00	15762.00	15762.00	2500.00	2500.00
604.1310	ADJUSTING EXISTING DRAIN INLET	1.	EACH	750.00	750.00	1700.00	1700.00	577.00	577.00	100.00	100.00
604.4260	ADJUSTING 20-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE	6.	EACH	1300.00	7800.00	700.00	4200.00	976.50	5859.00	300.00	1800.00
604.4270	ADJUSTING WATER METER BOXES	5.	EACH	700.00	3500.00	450.00	2250.00	123.20	616.00	200.00	1000.00
604.4300	ADJUSTING TYPE SA CAST IRON FRAME AND COVER FOR SEWER MANHOLE	3.	EACH	350.00	1050.00	600.00	1800.00	331.33	993.99	300.00	900.00
604.4340	ADJUST 24-INCH SEWER FORCE MAIN MANHOLE TO NEW FINISH GRADE	1.	EACH	2000.00	2000.00	2200.00	2200.00	1221.00	1221.00	1500.00	1500.00
604.4550	ADJUSTING WATER VALVE BOX FRAME AND COVER	25.	EACH	700.00	17500.00	1150.00	28750.00	592.68	14817.00	75.00	1875.00
604.4900	ADJUSTING SHOC (HFFC) MANHOLE	4.	EACH	6200.00	24800.00	725.00	2900.00	819.75	3279.00	500.00	2000.00
604.4901	ADJUSTING FUEL OIL VALVE VAULT TO NEW GRADE (HFFC)	2.	EACH	3300.00	6600.00	1850.00	3700.00	2721.00	5442.00	1000.00	2000.00
604.4902	ADJUSTING UTILITY BOX FRAME AND COVER TO NEW GRADE (HIRI)	1.	EACH	3800.00	3800.00	1200.00	1200.00	3558.00	3558.00	1000.00	1000.00
604.4903	ADJUSTING SCMH FRAME AND COVER TO NEW GRADE (HTCO)	1.	EACH	1300.00	1300.00	525.00	525.00	2908.00	2908.00	1000.00	1000.00
604.4904	ADJUSTING UTILITY BOX TO NEW GRADE (BWS)	1.	EACH	3300.00	3300.00	1065.00	1065.00	344.00	344.00	1000.00	1000.00

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606.3200	GUARD RAIL, TYPE 3 - SINGLE WITH RUB RAIL ON STEEL POST	440.	LIN FT	27.00	11880.00	28.00	12320.00	28.82	12680.80	30.00	13200.00
606.5000	CONCRETE TRAFFIC BARRIER	2256.	LIN FT	60.00	135360.00	90.00	203040.00	44.77	101001.12	76.00	171456.00
606.5010	CONCRETE BARRIER	88.	LIN FT	150.00	13200.00	79.00	6952.00	176.28	15512.64	43.00	3784.00
606.9000	GUARDRAIL, IMPACT ATTENUATOR	3.	EACH	7750.00	23250.00	8300.00	24900.00	9358.33	28074.99	12000.00	36000.00
607.0090	6-FOOT CHAIN LINK FENCE WITH TOP RAIL AND CONCRETE FOOTING; SALVAGE FABRIC	1614.	LIN FT	18.00	29052.00	18.00	29052.00	18.52	29891.28	12.00	19368.00
607.0091	6-FOOT CHAIN LINK FENCE ON CONCRETE STRUCTURE WITH TOP RAIL; SALVAGE FABRIC	778.	LIN FT	17.00	13226.00	15.00	11670.00	17.93	13949.54	10.00	7780.00
607.0290	8-FOOT SECURITY CHAIN LINK FENCE WITH TOP RAIL AND CONCRETE FOOTING	500.	LIN FT	20.00	10000.00	21.00	10500.00	21.19	10595.00	25.00	12500.00
607.6120	CHAIN LINK GATE, 6-FEET HIGH AND 12-FEET WIDE	2.	EACH	1200.00	2400.00	1050.00	2100.00	1281.00	2562.00	1000.00	2000.00
607.8190	SECURITY CHAIN LINK GATE, 8-FT. HIGH AND 12-FT. WIDE	1.	EACH	1500.00	1500.00	1100.00	1100.00	1601.00	1601.00	1500.00	1500.00
608.0200	4-INCH PLAIN CONCRETE SIDEWALK	5094.	SQ YD	28.00	142632.00	25.00	127350.00	23.51	119759.94	25.00	127350.00
609.2020	CURB, TYPE 2D	3085.	LIN FT	12.00	37020.00	8.00	24680.00	19.33	59633.05	10.00	30850.00
609.2140	GUTTER, TYPE 2G	322.	LIN FT	12.00	3864.00	12.00	3864.00	19.12	6156.64	10.00	3220.00
609.2720	CURB AND GUTTER, TYPE 2DG	9025.	LIN FT	14.00	126350.00	12.00	108300.00	19.33	174453.25	14.00	126350.00
609.6000	BITUMINOUS CURB, TYPE 6	68.	LIN FT	12.00	816.00	13.00	884.00	12.49	849.32	10.00	680.00
610.0600	6-INCH REINFORCED CONCRETE DRIVEWAYS	88.	SQ YD	38.00	3344.00	40.00	3520.00	69.27	6095.76	35.00	3080.00
612.0100	GROUTED RUBBLE PAVING	396.	CU YD	188.00	74448.00	197.00	78012.00	455.94	180552.24	200.00	79200.00
614.0100	STANDARD C AND C STREET SURVEY MONUMENT	2.	EACH	800.00	1600.00	500.00	1000.00	537.50	1075.00	300.00	600.00
614.0200	RECONSTRUCTED SURVEY MONUMENT	3.	EACH	800.00	2400.00	250.00	750.00	166.67	500.01	100.00	300.00
616.0100	SPRINKLER SYSTEM	L.S.	L.S.	0.00	5000.00	0.00	8900.00	0.00	3843.00	0.00	4800.00
619.9100	TRANSPLANTING TREES, MISCELLANEOUS TYPE IN MEDIAN	18.	EACH	400.00	7200.00	420.00	7560.00	213.50	3843.00	400.00	7200.00
621.4101	REFLECTOR MARKER, RM-4(L) WITH POST	2.	EACH	100.00	200.00	105.00	210.00	106.50	213.00	75.00	150.00
621.4102	REFLECTOR MARKER, RM-9 WITH POST	2.	EACH	100.00	200.00	105.00	210.00	106.50	213.00	300.00	600.00
621.5000	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS)	12.	EACH	100.00	1200.00	105.00	1260.00	133.42	1601.04	180.00	2160.00
621.5100	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS) WITH POST	34.	EACH	150.00	5100.00	160.00	5440.00	160.12	5444.08	300.00	10200.00
622.0001	HIGHWAY LIGHTING SYSTEM	L.S.	L.S.	0.00	300000.00	0.00	119114.00	0.00	117200.00	0.00	90060.00
624.1110	FURNISHING AND INSTALLING 4-INCH D.I. PIPE, CLASS 52	100.	LIN FT	50.00	5000.00	20.00	2000.00	13.18	1318.00	50.00	5000.00
624.1111	FURNISHING AND INSTALLING 6-INCH D.I. PIPE, CLASS 52	100.	LIN FT	52.00	5200.00	21.00	2100.00	21.63	2163.00	60.00	6000.00

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ISLAND - OAHU

DATE ADVERTISED - HONOLULU ADVERTISED, APRIL 10, 13, & 15, 1987
BIDS OPENED - MAY 14, 1987
COMPLETION TIME - THREE HUNDRED EIGHTY (380) WORKING DAYS

				KIEWIT PACIFIC CO		HAWAIIAN DREDGING & CONSTRUCTION COMPANY A DIV OF DILLINGHAM CONSTR PACIFIC LTD		PPC-TOKYU JOINT VENTURE		STATE OF HAWAII	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
624.1112	FURNISHING AND INSTALLING 8-INCH D.I. PIPE. CLASS 52	10.	LIN FT	56.00	560.00	46.00	460.00	20.10	201.00	90.00	900.00
624.1113	FURNISHING AND INSTALLING 12-INCH D.I. PIPE. CLASS 52	105.	LIN FT	64.00	6720.00	41.00	4305.00	12.46	1308.30	100.00	10500.00
624.1641	FURNISHING AND INSTALLING D.I. FITTINGS	4130.	LB	3.00	12390.00	1.30	5369.00	1.69	6979.70	1.75	7227.50
624.1781	FURNISHING AND INSTALLING TYPE III METER BOX INCLUDING CAST IRON FRAME AND COVER	1.	EACH	1500.00	1500.00	800.00	800.00	1007.00	1007.00	1000.00	1000.00
624.1783	FURNISHING AND INSTALLING TYPE X METER BOX INCLUDING CAST IRON COVER	1.	EACH	1200.00	1200.00	130.00	130.00	262.00	262.00	200.00	200.00
624.1784	RELOCATE WATER METER	7.	EACH	400.00	2800.00	4320.00	30240.00	2891.71	20241.97	150.00	1050.00
624.1785	FURNISHING AND INSTALLING TYPE "IV" METER BOX INCLUDING C.I. F&C	2.	EACH	5000.00	10000.00	4000.00	8000.00	936.00	1872.00	1000.00	2000.00
624.1786	RELOCATE WATER METER BOX AND ADJUST TO NEW FINISH GRADE	7.	EACH	800.00	5600.00	1800.00	12600.00	258.86	1812.02	150.00	1050.00
624.1787	FURNISHING AND INSTALLING 6-INCH METER BOX	1.	EACH	4700.00	4700.00	2600.00	2600.00	2292.00	2292.00	1500.00	1500.00
624.1845	FURNISHING AND INSTALLING 1-1/2-INCH SINGLE SERVICE LATERAL AND ALL APPURTENANCES	1.	EACH	2000.00	2000.00	3600.00	3600.00	2244.00	2244.00	3500.00	3500.00
624.4274	RELOCATE EXISTING AIR RELIEF VALVE	1.	EACH	5400.00	5400.00	890.00	890.00	910.00	910.00	1000.00	1000.00
624.4670	REMOVING, CLEANING, PAINTING, AND REINSTALLING FIRE HYDRANT	10.	EACH	1600.00	16000.00	2850.00	28500.00	1208.70	12087.00	500.00	5000.00
625.0020	CUTTING AND PLUGGING EXISTING SEWER	F.A.	F.A.	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00
625.0151	CONNECTION TO EXISTING SEWER FORCE MAIN	L.S.	L.S.	0.00	8500.00	0.00	15000.00	0.00	927.00	0.00	20000.00
625.0160	AIR RELIEF VALVE FOR SEWER FORCE MAIN	1.	EACH	1600.00	1600.00	700.00	700.00	760.00	760.00	500.00	500.00
625.0161	24-INCH FLANGED GATE VALVE, CLASS 150	2.	EACH	10000.00	20000.00	23600.00	47200.00	11260.00	22520.00	13000.00	26000.00
625.0200	BED COURSE MATERIAL FOR SEWER PIPE	180.	CU YD	55.00	9900.00	63.00	11340.00	57.58	10364.40	35.00	6300.00
625.1200	SEWER FORCE MAIN VALVE BOX	2.	EACH	25000.00	50000.00	23900.00	47800.00	5270.50	10541.00	7100.00	14200.00
625.2100	24-INCH MECHANICAL JOINT DUCTILE IRON PIPE AND FITTINGS, CLASS 52	1535.	LIN FT	200.00	307000.00	185.00	283975.00	293.80	450983.00	154.00	236390.00
625.2871	REINFORCED CONCRETE JACKET FOR 24-INCH DUCTILE IRON SEWER FORCE MAIN	75.	LIN FT	160.00	12000.00	170.00	12750.00	150.07	11255.25	120.00	9000.00
629.1011	PERMANENT PAVEMENT STRIPING. (TAPE, TYPE I)	24080.	LIN FT	1.30	31304.00	1.40	33712.00	1.39	33471.20	3.50	84280.00
629.1012	PERMANENT PAVEMENT STRIPING. (TAPE, TYPE II)	20920.	LIN FT	.75	15690.00	1.00	20920.00	.78	16317.60	3.50	73220.00
629.1020	CROSSWALK MARKING	6.	LANE	60.00	360.00	63.00	378.00	64.00	384.00	200.00	1200.00
629.1030	PAVEMENT ARROWS	26.	EACH	25.00	650.00	26.00	676.00	26.69	693.94	50.00	1300.00
629.1040	PAVEMENT WORDS	26.	EACH	25.00	650.00	26.00	676.00	26.69	693.94	50.00	1300.00
629.2010	TYPE A PAVEMENT MARKERS	1010.	EACH	2.00	2020.00	2.10	2121.00	2.13	2151.30	3.00	3030.00

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
629.2030	TYPE C PAVEMENT MARKERS	260.	EACH	3.65	949.00	4.00	1040.00	3.90	1014.00	5.25
629.2040	TYPE D PAVEMENT MARKERS	140.	EACH	3.65	511.00	4.00	560.00	3.89	544.60	5.25
629.2070	TYPE H PAVEMENT MARKERS	240.	EACH	3.65	876.00	4.00	960.00	3.90	936.00	4.00
629.2080	TYPE J PAVEMENT MARKERS	280.	EACH	2.20	616.00	2.30	644.00	2.35	658.00	3.00
630.0001	HECO MANHOLE, TYPE NO. 4 (7-FT., 2-IN. BY 16-FT., 0-IN.)	2.	EACH	50000.00	100000.00	14700.00	29400.00	16224.50	32449.00	18000.00
630.0002	8-WAY DUCTLINE (8-5-IN. ABS. TYPE EB)	150.	LIN FT	50.00	7500.00	162.00	24300.00	48.03	7204.50	95.00
630.0003	8-WAY DUCTLINE ON BRIDGE DECK (8-5-IN. ABS. TYPE EB)	670.	LIN FT	20.00	13400.00	83.00	55610.00	30.96	20743.20	80.00
630.0004	HTCO MANHOLE, TYPE A-2 (5-FT. BY 8-FT.)	2.	EACH	25000.00	50000.00	9700.00	19400.00	15157.00	30314.00	11000.00
630.0005	6-WAY DUCTLINE (6-4-IN. PVC. SCHEDULE 40)	280.	LIN FT	45.00	12600.00	133.00	37240.00	37.36	10460.80	60.00
630.0006	6-WAY DUCTLINE ON BRIDGE DECK (6-4-IN. PVC. SCHEDULE 40)	670.	LIN FT	25.00	16750.00	50.00	33500.00	29.89	20026.30	55.00
630.0007	4-WAY DUCTLINE (4-4-IN. PVC. SCHEDULE 40)	70.	LIN FT	30.00	2100.00	85.00	5950.00	48.03	3362.10	45.00
630.0008	2-WAY DUCTLINE (2-4-IN. PVC. SCHEDULE 40)	30.	LIN FT	20.00	600.00	70.00	2100.00	64.03	1920.90	35.00
630.0009	PULLBOX WITH COVER AT BRIDGE DECK	2.	EACH	500.00	1000.00	1155.00	2310.00	800.50	1601.00	1500.00
630.0010	2-WAY DUCTLINES (2-4-IN. ELECTRIC AND 2-4-IN. TELEPHONE PVC. SCHEDULE 40, STA 25+40 S.I. PARKWAY)	65.	LIN FT	45.00	2925.00	85.00	5525.00	48.03	3121.95	45.00
635.1000	MICROCOMPUTER SYSTEM. (NOT TO EXCEED \$7,000)	L.S.	L.S.	0.00	7000.00	0.00	7000.00	0.00	6654.00	0.00
636.0210	FIELD OFFICE (12X32). (NOT TO EXCEED \$25,000)	L.S.	L.S.	0.00	25000.00	0.00	25000.00	0.00	21016.00	0.00
636.1100	PROJECT SITE LABORATORY	L.S.	L.S.	0.00	15000.00	0.00	15000.00	0.00	21016.00	0.00
636.2010	RELOCATE EXISTING STATE PROJECT SITE LABORATORY. (NOT TO EXCEED \$4,000)	L.S.	L.S.	0.00	4000.00	0.00	4000.00	0.00	3633.00	0.00
636.3000	REMOVAL OF FIELD OFFICE AND PROJECT SITE LABORATORY	L.S.	L.S.	0.00	4000.00	0.00	8000.00	0.00	7264.00	0.00
636.6000	RENOVATE FIELD OFFICES	F.A.	F.A.	0.00	2000.00	0.00	2000.00	0.00	2000.00	0.00
639.0100	TEMPORARY PROJECT WATER POLLUTION CONTROL	F.A.	F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00
641.0100	HYDRO-MULCH SEEDING	78000.	SQ FT	.35	27300.00	.37	28860.00	.37	28860.00	.10
645.1000	REGULATORY AND WARNING SIGN (10 SQ FT OR LESS)	3.	EACH	100.00	300.00	100.00	300.00	106.67	320.01	180.00
645.1100	REGULATORY AND WARNING SIGN AND POST (10 SQ FT OR LESS)	33.	EACH	165.00	5445.00	170.00	5610.00	176.45	5822.85	300.00
645.1200	REGULATORY AND WARNING SIGN AND POST (GREATER THAN 10 SQ FT)	7.	EACH	450.00	3150.00	472.00	3304.00	480.29	3362.03	450.00
645.1300	PAVEMENT ARROWS	4.	EACH	40.00	160.00	42.00	168.00	42.75	171.00	50.00
645.1400	TYPE II BARRICADES	350.	EACH	65.00	22750.00	116.00	40600.00	99.81	34933.50	270.00

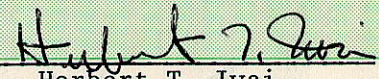
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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
645.1500	DELINEATORS	200.	EACH	23.00	4600.00	61.00	12200.00	14.95	2990.00	20.00	4000.00
645.1600	PAVEMENT STRIPING (TAPE)	33500.	LIN FT	1.55	51925.00	1.60	53600.00	1.65	55275.00	3.50	117250.00
645.1700	RESURFACING FOR DETOUR	L.S.	L.S.	0.00	20000.00	0.00	4592.00	0.00	82216.00	0.00	10000.00
645.1800	REMOVE STRIPING	21000.	LIN FT	.25	5250.00	.25	5250.00	.27	5670.00	1.20	25200.00
645.2000	POLICE OFFICERS AND/OR ADDITIONAL TRAFFIC CONTROL DEVICES	F.A.	F.A.	0.00	28000.00	0.00	28000.00	0.00	28000.00	0.00	28000.00
645.5000	CONSTRUCTION AND MAINTENANCE OF DETOURS	F.A.	F.A.	0.00	100000.00	0.00	100000.00	0.00	100000.00	0.00	100000.00
647.1000	SERVICE EQUIPMENT AND CABINET ON CONCRETE PAD, PULLBOXES, NAVIGATION AND CENTER CHANNEL LIGHTS, AND DUCTLINE SYSTEM FOR THE BRIDGE	L.S.	L.S.	0.00	25000.00	0.00	32000.00	0.00	24443.00	0.00	18403.00
647.2000	DETECTOR LOOPS, PULLBOXES, JUNCTION BOXES AND DUCTLINE SYSTEM FOR THE W.I.M. SCALE	L.S.	L.S.	0.00	20000.00	0.00	27250.00	0.00	19213.00	0.00	13375.00
647.3000	TRAFFIC PULLBOX AND DUCTLINE, STA 25+00 TO STA 29+00 S.I. PARKWAY	L.S.	L.S.	0.00	5000.00	0.00	11500.00	0.00	4270.00	0.00	5025.00
650.0100	REVTMENT	1289.	CU YD	75.00	96675.00	103.00	132767.00	181.38	233798.82	204.00	262956.00
651.1000	HIRI TERMINAL MODIFICATIONS	L.S.	L.S.	0.00	60000.00	0.00	104260.00	0.00	64428.00	0.00	75000.00
651.1100	VALVE VAULT MODIFICATIONS	L.S.	L.S.	0.00	13000.00	0.00	15600.00	0.00	6455.00	0.00	3000.00
670.0100	TRANSPORT AND SET PORTABLE CONCRETE GUARD RAIL SECTIONS FROM PEARL CITY BASEYARD	50.	EACH	140.00	7000.00	139.00	6950.00	113.62	5681.00	42.00	2100.00
670.0200	RESET PORTABLE CONCRETE GUARD RAIL SECTION	100.	EACH	100.00	10000.00	46.00	4600.00	113.58	11358.00	39.00	3900.00
670.0300	TRANSPORT PORTABLE CONCRETE GUARD RAIL SECTIONS TO PEARL CITY BASEYARD	50.	EACH	140.00	7000.00	140.00	7000.00	113.62	5681.00	42.00	2100.00
697.0100	FURNISHING AND MAINTAINING 4-DOOR SEDAN (NOT TO EXCEED \$500 PER VEHICLE/MONTH)	18.	VEH/MO	500.00	9000.00	500.00	9000.00	24.67	444.06	500.00	9000.00
697.0101	PURCHASE OF 4-DOOR SEDAN	1.	EACH	3000.00	3000.00	5400.00	5400.00	10536.00	10536.00	7000.00	7000.00
697.0200	FURNISHING AND MAINTAINING 1/2-TON PICK-UP TRUCK (NOT TO EXCEED \$500 PER VEHICLE/MONTH)	36.	VEH/MO	500.00	18000.00	500.00	18000.00	12.33	443.88	500.00	18000.00
697.0201	PURCHASE OF PICK-UP TRUCK	2.	EACH	5500.00	11000.00	4500.00	9000.00	9427.00	18854.00	7000.00	14000.00
697.0300	FURNISHING AND MAINTAINING STATION WAGON (NOT TO EXCEED \$500 PER VEHICLE/MONTH)	18.	VEH/MO	500.00	9000.00	500.00	9000.00	24.67	444.06	500.00	9000.00
697.0301	PURCHASE OF STATION WAGON	1.	EACH	6000.00	6000.00	4000.00	4000.00	21627.00	21627.00	10000.00	10000.00
698.1000	TRAINING (6 TRAINEES)	9072.	HOURL	.80 ▲	7257.60 ▲	.80	7257.60	.80 ▲	7257.60 ▲	.80	7257.60
699.1100	ROADWAY MOBILIZATION (NOT TO EXCEED 6 PER CENT OF THE SUM OF ALL ROADWAY ITEMS EXCLUDING THIS ITEM)	L.S.	L.S.	0.00	250000.00	0.00	360000.00	0.00	324402.00	0.00	343072.51
699.1200	BRIDGE MOBILIZATION (NOT TO EXCEED 6 PER CENT OF THE SUM OF ALL BRIDGE ITEMS EXCLUDING THIS ITEM)	L.S.	L.S.	0.00	350000.00	0.00	350000.00	0.00	490762.00	0.00	321116.57

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	a. SUM OF ALL ITEMS				12757548.60		13523000.00		22549110.76		11734007.08
	b. Furnish domestic steel; and/or foreign steel not to exceed minimal amount. (Fill in "0")				0		0		0		0
	c. Furnish foreign steel in excess of minimal amount (25% x a)				0		0		0		0
	d. AMOUNT FOR COMPARISON OF BIDS (a + b or a + c)				\$12,757,548.60		\$13,523,000.00		\$22,549,110.76		\$11,734,007.08
	*All bidders must fill in either b <u>or</u> c, and complete d.										
	▲ Altered to the reimbursable amount in accordance with Section 698 of the Special Provisions.										
	● Corrected Figure.										
	I certify that this is a true and correct tabulation of bids opened for this project.										
	 Herbert T. Iwai										
	5/22/87 Date										