

PROJECT - MOKAPU SADDLE ROAD (KANEHOE BAY DR TO KAILUA INTER)				DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970																											
PROJECT NOS. - S-0630(10) AND S-0630(7)				BIDS OPENED - THURSDAY DECEMBER 17, 1970																											
TYPE CODE - 6203, Y003, ROW, R/WU				COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS																											
ISLAND - OAHU																															
				J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.				STATE OF HAWAII DEPT. OF TRANSPORTATION	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT
201.01	REMOVING LARGE TREES	13.00	EACH	150.00	1950.00	126.00	1638.00	300.00	3900.00	165.00	2145.00	1000.00	13000.00	200.00	2600.00	300.00	3900.00	350.00	4550.00	600.00	7800.00	159.30	2070.90	420.00	5460.00	260.00	3380.00			250.00	3250.00
203.01	ROADWAY EXCAVATION	143000.00	CU YD	1.42	203060.00	2.10	300300.00	1.44	205920.00	1.55	221650.00	1.50	214500.00	2.40	343200.00	1.95	278850.00	2.60	371800.00	2.65	378950.00	3.75	536250.00	4.45	636350.00	6.25	893750.00			1.50	214500.00
206.01	STRUCTURE EXCAVATION OTHER THAN AT BRIDGES	5300.00	CU YD	9.85	52205.00	8.40	44520.00	8.00	42400.00	15.50	82150.00	8.00	42400.00	14.00	74200.00	14.00	74200.00	10.00	53000.00	10.40	55120.00	14.16	75048.00	13.00	68900.00	12.25	64925.00			12.00	63600.00
206.05	STRUCTURE EXCAVATION FOR WATER SYSTEM	3620.00	CU YD	12.90	46698.00	9.10	32942.00	11.00	39820.00	17.55	63531.00	10.00	36200.00	14.00	50680.00	14.00	50680.00	12.60	45612.00	19.00	68780.00	14.16	51259.20	23.00	83260.00	13.45	48689.00			12.00	43440.00
206.06	STRUCTURE EXCAVATION FOR SEWER SYSTEM	730.00	CU YD	14.10	10293.00	9.90	7227.00	11.00	8030.00	19.00	13870.00	10.00	7300.00	14.00	10220.00	14.00	10220.00	13.50	9855.00	27.00	19710.00	14.16	10336.80	38.00	27740.00	12.20	8906.00			20.00	14600.00
206.07	STRUCTURE EXCAVATION FOR ELECTRIC SYSTEM	70.00	CU YD	10.25	717.50	10.00	700.00	12.00	840.00	24.00	1680.00	15.00	1050.00	14.00	980.00	15.00	1050.00	11.00	770.00	11.00	770.00	11.21	784.70	11.00	770.00	12.00	840.00			10.00	700.00
206.08	STRUCTURE EXCAVATION FOR TELEPHONE SYSTEM	13.00	CU YD	10.25	133.25	10.00	130.00	12.00	156.00	24.00	312.00	15.00	195.00	14.00	182.00	15.00	195.00	11.00	143.00	11.00	143.00	11.58	150.54	11.00	143.00	12.00	156.00			10.00	130.00
206.09	STRUCTURE EXCAVATION FOR GAS SYSTEM	76.00	CU YD	15.00	1140.00	7.50	570.00	10.00	760.00	19.00	1444.00	15.00	1140.00	14.00	1064.00	11.00	836.00	22.00	1672.00	25.00	1900.00	16.52	1255.52	38.00	2888.00	27.00	2052.00			20.00	1520.00
206.82	FILTER MATERIAL FOR RETAINING WALLS	40.00	CU YD	10.00	400.00	26.00	1040.00	17.00	680.00	21.50	860.00	15.00	600.00	12.00	480.00	13.00	520.00	14.50	580.00	19.20	768.00	17.70	708.00	15.00	600.00	15.00	600.00			15.00	600.00
207.01	DITCH AND CHANNEL EXCAVATION	1580.00	CU YD	5.30	8374.00	5.75	9085.00	8.00	12640.00	7.25	11455.00	8.00	12640.00	7.00	11060.00	7.50	11850.00	9.00	14220.00	8.20	12956.00	9.44	14915.20	11.00	17380.00	10.75	16985.00			10.00	15800.00
301.02	AGGREGATE SUBBASE	16000.00	CU YD	6.75	108000.00	8.05	128800.00	7.00	112000.00	7.50	120000.00	7.00	112000.00	6.00	96000.00	7.50	120000.00	9.80	156800.00	8.25	132000.00	6.96	111360.00	6.75	108000.00	7.00	112000.00			9.00	144000.00
304.02	AGGREGATE BASE	3200.00	CU YD	8.75	28000.00	9.95	31840.00	8.50	27200.00	9.00	28800.00	8.00	25600.00	7.00	22400.00	9.00	28800.00	10.00	32000.00	10.00	32000.00	7.20	23040.00	10.80	34560.00	8.70	27840.00			10.00	32000.00
310.01	BROOMING OFF	500.00	SQ YD	.30	150.00	.25	125.00	.10	50.00	.27	135.00	.10	50.00	.05	25.00	.05	25.00	.06	30.00	.06	30.00	.06	30.00	.06	30.00	.06	30.00			.20	100.00
311.01	PLANT MIX ASPHALT TREATED BASE COURSE	5000.00	TON	14.00	70000.00	12.00	60000.00	15.00	75000.00	14.00	70000.00	13.00	65000.00	13.00	65000.00	12.00	60000.00	12.70	63500.00	13.25	66250.00	14.16	70800.00	13.44	67200.00	13.30	66500.00			12.00	60000.00
401.03	ASPHALT CONCRETE PAVEMENT, MIX NO. III	4100.00	TON	15.10	61910.00	14.00	57400.00	18.00	73800.00	15.00	61500.00	15.00	61500.00	15.00	61500.00	14.50	59450.00	15.40	63140.00	16.10	66010.00	17.11	70151.00	16.24	66584.00	16.00	65600.00			14.50	59450.00
401.05	ASPHALT CONCRETE PAVEMENT, MIX NO. V	2100.00	TON	15.20	31920.00	14.00	29400.00	19.50	40950.00	15.00	31500.00	16.00	33600.00	16.00	33600.00	16.00	33600.00	16.40	34440.00	17.25	36225.00	18.29	38409.00	17.36	36456.00	17.20	36120.00			14.50	30450.00
407.01	SS-1 EMULSIFIED ASPHALT FOR BITUMINOUS TACK COAT	80.00	GAL	.55	44.00	1.00	80.00	1.00	80.00	.55	44.00	1.00	80.00	1.00	80.00	1.00	80.00	.80	64.00	1.00	80.00	.88	70.40	1.00	80.00	.85	68.00			1.25	100.00
408.01	MC-30 LIQUID ASPHALT FOR PRIME COAT	14500.00	GAL	.35	5075.00	.30	4350.00	.40	5800.00	.33	4785.00	.30	4350.00	.30	4350.00	.30	4350.00	.32	4640.00	.33	4785.00	.35	5075.00	.33	4872.00	.33	4785.00			.30	4350.00
411.01	6-INCH REINFORCED CONCRETE PAVEMENT	140.00	CU YD	69.50	9730.00	65.80	9212.00	66.00	9240.00	70.00	9800.00	80.00	11200.00	70.00	9800.00	69.00	9660.00	51.00	7140.00	64.50	9030.00	47.20	6608.00	63.00	8820.00	75.00	10500.00			90.00	12600.00
412.01	BITUMINOUS SEAL COAT FOR SHOULDERS	650.00	SQ. YD	1.60	1040.00	2.00	1300.00	1.00	650.00	1.65	1072.50	1.00	650.00	.80	520.00	1.00	650.00	1.00	650.00	1.20	780.00	1.12	728.00	1.00	650.00	1.05	682.50			.80	520.00
503.001	CONCRETE OTHER THAN IN BRIDGES	594.00	CU YD	155.00	92070.00	156.00	92664.00	145.00	86130.00	170.00	100980.00	150.00	89100.00	120.00	71280.00	155.00	92070.00	125.00	74250.00	210.00	124740.00	135.70	80605.80	139.00	82566.00	160.00	95040.00			140.00	83160.00
503.201	CLASS B CONCRETE OTHER THAN IN BRIDGES	5.00	CU YD	150.00	750.00	112.00	560.00	200.00	1000.00	180.00	900.00	150.00	750.00	100.00	500.00	90.00	450.00	114.00	570.00	140.00	700.00	118.00	590.00	200.00	1000.00	105.00	525.00			120.00	600.00
503.205	CLASS B CONCRETE FOR WATER SYSTEM	90.00	CU YD	60.00	5400.00	60.20	5418.00	80.00	7200.00	115.00	10350.00	120.00	10800.00	70.00	6300.00	155.00	13950.00	86.00	7740.00	72.00											

PROJECT - MOKAPU SADDLE ROAD (KANEHOE BAY DR TO KAILUA INTER)				DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970																											
PROJECT NOS. - S-0630(10) AND S-0630(7)				BIDS OPENED - THURSDAY DECEMBER 17, 1970																											
TYPE CODE - 6203, Y003, ROW, R/WU				COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS																											
ISLAND - OAHU																															
				J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.				STATE OF HAWAII DEPT. OF TRANSPORTATION	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT
603.4002	66-INCH CORRUGATED METAL PIPE, NO. 10 GAGE OR 66-INCH STRUCTURAL PLATE PIPE, NO. 12 GAGE	222.00	LIN FT	42.00	9324.00	45.00	9990.00	55.00	12210.00	43.00	9546.00	44.00	9768.00	50.00	11100.00	55.00	12210.00	47.35	10511.70	42.00	9324.00	41.30	9168.60	46.00	10212.00	53.00	11766.00			60.00	13320.00
603.4004	72-INCH CORRUGATED METAL PIPE, NO. 10 GAGE OR 72-INCH STRUCTURAL PLATE PIPE, NO. 12 GAGE	342.00	LIN FT	45.30	15492.60	48.00	16416.00	65.00	22230.00	50.00	17100.00	45.00	15390.00	60.00	20520.00	62.00	21204.00	50.65	17322.30	47.00	16074.00	44.84	15335.28	48.00	16416.00	62.00	21204.00			75.00	25650.00
603.5040	24-INCH ASBESTOS CEMENT PIPE, CLASS III OR 24-INCH REINFORCED CONCRETE PIPE, CLASS III	160.00	LIN FT	14.20	2272.00	14.50	2320.00	13.00	2080.00	14.50	2320.00	15.00	2400.00	15.00	2400.00	17.00	2720.00	13.45	2152.00	12.50	2000.00	15.34	2454.40	15.50	2480.00	16.00	2560.00			17.00	2720.00
603.5050	30-INCH ASBESTOS CEMENT PIPE CLASS III OR 30-INCH REINFORCED CONCRETE PIPE, CLASS III	76.00	LIN FT	19.20	1459.20	19.00	1444.00	19.00	1444.00	22.00	1672.00	20.00	1520.00	25.00	1900.00	22.00	1672.00	19.55	1485.80	17.00	1292.00	18.88	1434.88	22.00	1672.00	21.00	1596.00			20.00	1520.00
603.5060	36-INCH ASBESTOS CEMENT PIPE, CLASS III OR 36-INCH REINFORCED CONCRETE PIPE, CLASS III	252.00	LIN FT	23.05	5808.60	23.00	5796.00	22.00	5544.00	28.00	7056.00	24.00	6048.00	30.00	7560.00	28.00	7056.00	23.15	5833.80	21.50	5418.00	22.42	5649.84	26.00	6552.00	25.00	6300.00			25.00	6300.00
603.6002	42-INCH CORRUGATED METAL PIPE NO. 12 GAGE OR 42-INCH REINFORCED CONCRETE PIPE, CLASS III	168.00	LIN FT	20.20	3393.60	23.00	3864.00	22.00	3696.00	20.50	3444.00	30.00	5040.00	35.00	5880.00	27.00	4536.00	21.80	3662.40	20.00	3360.00	21.24	3568.32	23.00	3864.00	25.00	4200.00			26.00	4368.00
603.7200	24-INCH CORRUGATED METAL PIPE NO. 14 GAGE OR 24-INCH REINFORCED CONCRETE PIPE, CLASS III OR	300.00	LIN FT	10.20	3060.00	9.80	2940.00	9.50	2850.00	9.00	2700.00	12.00	3600.00	12.00	3600.00	12.00	3600.00	9.50	2850.00	9.25	2775.00	10.62	3186.00	10.50	3150.00	12.00	3600.00			14.00	4200.00
603.7320	30-INCH CORRUGATED METAL PIPE NO. 14 GAGE OR 30-INCH REINFORCED CONCRETE PIPE, CLASS III OR	6.00	LIN FT	15.00	90.00	15.00	90.00	20.00	120.00	10.50	63.00	18.00	108.00	15.00	90.00	26.00	156.00	13.50	81.00	11.00	66.00	12.98	77.88	16.00	96.00	17.00	102.00			20.00	120.00
603.7360	30-INCH ASBESTOS CEMENT PIPE, CLASS III 30-INCH CORRUGATED METAL PIPE NO. 10 GAGE OR	18.00	LIN FT	20.20	363.60	20.00	360.00	23.00	414.00	17.25	310.50	20.00	360.00	25.00	450.00	27.00	486.00	19.20	345.60	17.65	317.70	18.88	339.84	21.00	378.00	24.00	432.00			20.00	360.00
603.7380	30-INCH REINFORCED CONCRETE PIPE, CLASS III OR 30-INCH ASBESTOS CEMENT PIPE, CLASS III	104.00	LIN FT	18.20	1892.80	20.00	2080.00	19.00	1976.00	16.00	1664.00	20.00	2080.00	25.00	2600.00	24.00	2496.00	18.90	1965.60	17.50	1820.00	17.70	1840.80	18.00	1872.00	21.00	2184.00			22.00	2288.00
603.7440	36-INCH CORRUGATED METAL PIPE NO. 12 GAGE OR 36-INCH REINFORCED CONCRETE PIPE, CLASS III OR	342.00	LIN FT	18.20	6224.40	20.00	6840.00	19.00	6498.00	17.00	5814.00	20.00	6840.00	25.00	8550.00	24.00	8208.00	18.90	6463.80	17.50	5985.00	17.70	6053.40	18.00	6156.00	21.00	7182.00			23.00	7866.00
603.7460	36-INCH ASBESTOS CEMENT PIPE, CLASS III 36-INCH CORRUGATED METAL PIPE NO. 10 GAGE OR	140.00	LIN FT	22.05	3087.00	24.00	3360.00	23.00	3220.00	21.00	2940.00	23.00	3220.00	30.00	4200.00	28.00	3920.00	23.20	3248.00	21.00	2940.00	22.42	3138.80	22.00	3080.00	25.00	3500.00			24.00	3360.00
603.7500	36-INCH REINFORCED CONCRETE PIPE, CLASS III OR 36-INCH ASBESTOS CEMENT PIPE, CLASS III	104.00	LIN FT	20.80	2163.20	24.00	2496.00	22.00	2288.00	22.00	2288.00	23.00	2392.00	32.00	3328.00	28.00	2912.00	21.80	2267.20	20.00	2080.00	21.83	2270.32	21.00	2184.00	24.50	2548.00			25.00	2600.00
604.016	BRICK WALL FOR TYPE A WATER MANHOLES	15.00	LIN FT	110.00	1650.00	74.00	1110.00	65.00	975.00	160.00	2400.00	100.00	1500.00	70.00	1050.00	110.00	1650.00	96.30	1444.50	117.00	1755.00	94.40	1416.00	110.00	1650.00	135.00	2025.00			65.00	975.00
604.017	BRICK WALL FOR TYPE B WATER MANHOLES	26.00	LIN FT	50.00	1300.00	40.00	1040.00	50.00	1300.00	85.00	2210.00	60.00	1560.00	60.00	1560.00	55.00	1430.00	52.60	1367.60	58.50	1521.00	70.80	1840.80	69.00	1794.00	65.00	1690.00			55.00	1430.00

PROJECT - MOKAPU SADDLE ROAD (KANEHOE BAY DR TO KAILUA INTER)				DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970																											
PROJECT NOS. - S-0630(10) AND S-0630(7)				BIDS OPENED - THURSDAY DECEMBER 17, 1970																											
TYPE CODE - 6203, Y003, ROW, R/WU				COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS																											
ISLAND - OAHU																															
				J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.				STATE OF HAWAII DEPT. OF TRANSPORTATION	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT		
604.018	BRICK WALL FOR TYPE C WATER MANHOLES	45.00	LIN FT	40.00	1800.00	38.00	1710.00	50.00	2250.00	71.00	3195.00	50.00	2250.00	55.00	2475.00	48.00	2160.00	45.20	2034.00	52.00	2340.00	64.90	2920.50	66.00	2970.00	58.00	2610.00	45.00	2025.00		
604.025	BRICK WALL FOR SEWER MANHOLES	96.00	LIN FT	45.00	4320.00	39.00	3744.00	51.00	4896.00	70.00	6720.00	60.00	5760.00	55.00	5280.00	50.00	4800.00	50.20	4819.20	64.00	6144.00	64.90	6230.40	102.00	9792.00	63.00	6048.00	50.00	4800.00		
604.145	EXISTING TYPE A WATER MANHOLE TO BE COMPLETELY DEMOLISHED	15.00	LIN FT	25.00	375.00	5.00	75.00	10.00	150.00	43.00	645.00	20.00	300.00	15.00	225.00	18.00	270.00	21.00	315.00	37.00	555.00	82.60	1239.00	175.00	2625.00	13.00	195.00	35.00	525.00		
604.147	EXISTING TYPE C WATER MANHOLE TO BE COMPLETELY DEMOLISHED	15.00	LIN FT	10.00	150.00	5.00	75.00	10.00	150.00	15.00	225.00	20.00	300.00	15.00	225.00	18.00	270.00	11.00	165.00	30.00	450.00	59.00	885.00	55.00	825.00	9.00	135.00	25.00	375.00		
604.150	EXISTING SEWER MANHOLE TO BE COMPLETELY DEMOLISHED	17.00	LIN FT	10.00	170.00	5.00	85.00	10.00	170.00	20.00	340.00	20.00	340.00	15.00	255.00	15.00	255.00	11.00	187.00	35.00	595.00	70.80	1203.60	68.00	1156.00	10.00	170.00	25.00	425.00		
604.201	TYPE A CAST IRON FRAME AND COVER	6.00	EACH	100.00	600.00	134.00	804.00	125.00	750.00	95.00	570.00	75.00	450.00	110.00	660.00	130.00	780.00	120.50	723.00	112.00	672.00	96.76	580.56	130.00	780.00	115.00	690.00	110.00	660.00		
604.202	TYPE B CAST IRON FRAME AND COVER	11.00	EACH	100.00	1100.00	172.00	1892.00	160.00	1760.00	135.00	1485.00	80.00	880.00	100.00	1100.00	380.00	4180.00	158.00	1738.00	144.00	1584.00	147.50	1622.50	165.00	1815.00	150.00	1650.00	110.00	1210.00		
604.226	20-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE	8.00	EACH	100.00	800.00	106.00	848.00	100.00	800.00	72.00	576.00	75.00	600.00	110.00	880.00	120.00	960.00	92.00	736.00	90.00	720.00	93.22	745.76	121.00	968.00	100.00	800.00	40.00	320.00		
604.232	TYPE A-12 STEEL FRAME AND GRATE	24.00	EACH	255.00	6120.00	293.00	7032.00	285.00	6840.00	250.00	6000.00	400.00	9600.00	250.00	6000.00	325.00	7800.00	309.00	7416.00	265.00	6360.00	300.90	7221.60	280.00	6720.00	275.00	6600.00	350.00	8400.00		
604.233	TYPE 61614 STEEL FRAME AND GRATE	3.00	EACH	350.00	1050.00	390.00	1170.00	380.00	1140.00	350.00	1050.00	450.00	1350.00	300.00	900.00	500.00	1500.00	407.00	1221.00	360.00	1080.00	383.50	1150.50	364.00	1092.00	385.00	1155.00	800.00	2400.00		
604.234	TYPE 61616 STEEL FRAME AND GRATE	4.00	EACH	525.00	2100.00	575.00	2300.00	550.00	2200.00	500.00	2000.00	500.00	2000.00	450.00	1800.00	675.00	2700.00	590.00	2360.00	528.00	2112.00	536.90	2147.60	550.00	2200.00	550.00	2200.00	900.00	3600.00		
604.236	TYPE A-39 STEEL FRAME AND GRATE	72.00	LIN FT	135.00	9720.00	117.50	8460.00	130.00	9360.00	120.00	8640.00	120.00	8640.00	100.00	7200.00	150.00	10800.00	139.00	10008.00	130.00	9360.00	130.39	9388.08	121.00	8712.00	135.00	9720.00	100.00	7200.00		
604.237	BORDEN OR GARY OR IRVING GRATES WITH STEEL FRAME	255.00	LIN FT	30.00	7650.00	34.00	8670.00	27.00	6885.00	27.00	6885.00	40.00	10200.00	25.00	6375.00	44.00	11220.00	32.00	8160.00	32.00	8160.00	43.66	11133.30	30.00	7650.00	40.00	10200.00	100.00	25500.00		
604.238	TYPE B-38 OR BORDEN OR GARY OR IRVING GRATES WITH STEEL FRAME	187.00	LIN FT	21.10	3945.70	25.00	4675.00	23.00	4301.00	19.25	3599.75	35.00	6545.00	20.00	3740.00	36.00	6732.00	23.00	4301.00	25.00	4675.00	27.26	5097.62	17.00	3179.00	30.00	5610.00	100.00	18700.00		
604.239	TYPE X STEEL FRAME AND GRATES	1.00	EACH	525.00	525.00	574.00	574.00	600.00	600.00	500.00	500.00	600.00	600.00	450.00	450.00	700.00	700.00	603.00	603.00	528.00	528.00	536.90	536.90	2410.00	2410.00	550.00	550.00	900.00	900.00		
604.250	TYPE A TRASH RACK	1.00	EACH	325.00	325.00	273.00	273.00	280.00	280.00	300.00	300.00	500.00	500.00	275.00	275.00	500.00	500.00	346.00	346.00	310.00	310.00	702.10	702.10	200.00	200.00	425.00	425.00	250.00	250.00		
604.251	TYPE B TRASH RACK	1.00	EACH	350.00	350.00	273.00	273.00	280.00	280.00	325.00	325.00	600.00	600.00	275.00	275.00	500.00	500.00	422.00	422.00	325.00	325.00	483.80	483.80	200.00	200.00	425.00	425.00	250.00	250.00		
604.310	REMOVING, CLEANING, PAINTING, AND REINSTALLING 6-INCH CAST IRON FRAME AND COVER	4.00	EACH	35.00	140.00	17.00	68.00	42.00	168.00	10.00	40.00	50.00	200.00	30.00	120.00	25.00	100.00	15.00	60.00	25.00	100.00	23.60	94.40	16.00	64.00	25.00	100.00	50.00	200.00		
604.311	REMOVING, CLEANING, PAINTING, AND REINSTALLING 20-INCH CAST IRON FRAME AND COVER	7.00	EACH	50.00	350.00	42.00	294.00	42.00	294.00	12.00	84.00	50.00	350.00	50.00	350.00	90.00	630.00	25.00	175.00	40.00	280.00	35.40	247.80	40.00	280.00	35.00	245.00	50.00	350.00		
604.315	REMOVING, CLEANING, PAINTING, AND REINSTALLING TYPE SA CAST IRON FRAME AND COVER	19.00	EACH	50.00	950.00	42.00	798.00	42.00	798.00	12.00	228.00	50.00	950.00	50.00	950.00	90.00	1710.00	25.00	475.00	40.00	760.00	35.40	672.60	46.00	874.00	35.00	665.00	65.00	1235.00		
604.320	REMOVING, CLEANING, PAINTING, AND REINSTALLING VALVE BOX FRAME AND COVER	7.00	EACH	50.00	350.00	18.00	126.00	23.00	161.00	90.00	630.00	100.00	700.00	40.00	280.00	90.00	630.00	23.00	161.00	30.00	210.00	47.20	330.40	67.00	469.00	80.00	560.00	75.00	525.00		
604.426	ADJUSTING 20-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE	6.00	EACH	100.00	600.00	36.00	216.00	40.00	240.00	50.00	300.00	100.00	600.00	240.00	1440.00	90.00	540.00	36.00	216.00	90.00	540.00	70.80	424.80	55.00	330.00	150.00	900.00	75.00	450.00		
604.455	ADJUSTING VALVE BOX FRAME AND COVER	9.00	EACH	70.00	630.00	28.00	252.00	16.00	144.00	100.00	900.00	100.00	900.00	60.00	540.00	90.00	810.00	22.00	198.00	90.00	810.00	47.20	424.80	25.00	225.00	60.00	540.00	75.00	675.00		
606.311	GUARD RAIL, TYPE 3 - SINGLE WITH STEEL POST	3700.00	LIN FT	6.90	25530.00	6.00	22200.00	8.00	29600.00	7.00	25900.00	8.00	29600.00	6.50	24050.00	6.40	23680.00	6.80	25160.00	7.10	26270.00	7.55	27935.00	7.20	26640.00	7.10	26270.00	7.00	25900.00		
606.333	GUARD RAIL, TYPE 3 - DOUBLE WITH RUB RAIL ON STEEL POST	1550.00	LIN FT	10.95	16972.50	9.00	13950.00	12.00	18600.00	11.00	17050.00	12.00	18600.00	14.00	21700.00	10.50	16275.00	10.80	16740.00	11.25	17437.50	11.98	18569.00	11.50	17825.00	11.25	17437.50	16.00	24800.00		

PROJECT - MOKAPU SADDLE ROAD (KANE OHE BAY DR TO KAILUA INTER)
PROJECT NOS. - S-0630(10) AND S-0630(7)
TYPE CODE - 6203, Y003, ROW, R/WU
ISLAND - OAHU

				J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.		STATE OF HAWAII DEPT. OF TRANSPORTATION		
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
607.010	6-FEET CHAIN LINK FENCE WITH CONCRETE FOOTINGS	1080.00	LIN FT	3.80	4104.00	3.70	3996.00	4.50	4860.00	4.00	4320.00	5.00	5400.00	4.00	4320.00	4.00	4320.00	3.75	4050.00	4.00	4320.00	3.84	4147.20	4.00	4320.00	3.90	4212.00		5.00	5400.00
607.046	4-FEET CHAIN LINK FENCE ON CEMENT RUBBLE MASONRY WALL	200.00	LIN FT	3.20	640.00	3.60	720.00	3.50	700.00	3.30	660.00	4.00	800.00	3.00	600.00	3.50	700.00	3.20	640.00	3.25	650.00	3.48	696.00	3.30	660.00	3.30	660.00		3.50	700.00
609.200	CURB, TYPE 2A	2040.00	LIN FT	3.50	7140.00	3.50	7140.00	4.00	8160.00	3.85	7854.00	3.00	6120.00	3.50	7140.00	4.40	8976.00	3.20	6528.00	3.00	6120.00	3.81	7772.40	3.40	6936.00	3.45	7038.00		3.50	7140.00
609.206	CURB, TYPE 2D	60.00	LIN FT	3.00	180.00	3.00	180.00	4.00	240.00	8.00	480.00	4.00	240.00	3.00	180.00	4.40	264.00	3.10	186.00	5.00	300.00	3.19	191.40	3.40	204.00	3.35	201.00		5.00	300.00
609.230	TYPE 7A GUTTER	760.00	LIN FT	3.20	2432.00	3.85	2926.00	3.50	2660.00	8.00	6080.00	3.00	2280.00	3.20	2432.00	3.30	2508.00	2.90	2204.00	2.80	2128.00	2.36	1793.60	3.70	2812.00	3.80	2888.00		3.00	2280.00
609.231	TYPE 7B GUTTER	2490.00	LIN FT	5.55	13819.50	6.70	16683.00	5.50	13695.00	7.40	18426.00	5.50	13695.00	4.70	11703.00	5.50	13695.00	4.75	11827.50	4.90	12201.00	4.37	10881.30	4.20	10458.00	6.00	14940.00		6.50	16185.00
609.232	TYPE 7C GUTTER	85.00	LIN FT	4.20	357.00	4.60	391.00	4.00	340.00	6.00	510.00	6.00	510.00	7.00	595.00	4.00	340.00	3.50	297.50	3.80	323.00	2.90	246.50	4.00	340.00	4.75	403.75		5.00	425.00
609.233	TYPE 7M GUTTER	1640.00	LIN FT	3.35	5494.00	4.20	6888.00	3.00	4920.00	4.50	7380.00	5.00	8200.00	4.00	6560.00	2.50	4100.00	2.55	4182.00	2.75	4510.00	4.65	7626.00	3.70	6068.00	2.65	4346.00		5.00	8200.00
609.240	CURB AND GUTTER, TYPE 2AG	1640.00	LIN FT	3.95	6478.00	4.25	6970.00	4.50	7380.00	5.50	9020.00	7.00	11480.00	4.50	7380.00	4.75	7790.00	4.05	6642.00	5.25	8610.00	4.29	7035.60	4.30	7052.00	4.60	7544.00		4.50	7380.00
609.246	CURB AND GUTTER, TYPE 2DG	1000.00	LIN FT	3.75	3750.00	4.05	4050.00	4.50	4500.00	5.00	5000.00	7.00	7000.00	4.00	4000.00	4.75	4750.00	3.60	3600.00	5.00	5000.00	4.10	4100.00	3.95	3950.00	4.10	4100.00		4.50	4500.00
609.248	CURB AND GUTTER, TYPE 2EG	740.00	LIN FT	3.85	2849.00	4.10	3034.00	5.00	3700.00	4.90	3626.00	6.00	4440.00	4.00	2960.00	4.75	3515.00	4.05	2997.00	5.25	3885.00	4.18	3093.20	4.30	3182.00	4.60	3404.00		4.50	3330.00
610.04	4-INCH REINFORCED CONCRETE DRIVEWAYS	120.00	SQ YD	8.85	1062.00	9.00	1080.00	9.00	1080.00	12.00	1440.00	1.00	120.00	9.00	1080.00	7.50	900.00	9.00	1080.00	8.82	1058.40	8.00	960.00	9.00	1080.00	8.82	1058.40		11.00	1320.00
610.06	6-INCH REINFORCED CONCRETE DRIVEWAYS	150.00	SQ YD	10.20	1530.00	10.30	1545.00	11.00	1650.00	13.00	1950.00	1.30	195.00	10.00	1500.00	12.00	1800.00	9.60	1440.00	11.50	1725.00	10.30	1545.00	10.00	1500.00	11.20	1680.00		16.00	2400.00
612.01	GROUTED RUBBLE PAVING	30.00	CU YD	85.00	2550.00	55.00	1650.00	110.00	3300.00	80.00	2400.00	80.00	2400.00	70.00	2100.00	85.00	2550.00	79.00	2370.00	90.00	2700.00	87.32	2619.60	83.00	2490.00	90.00	2700.00		80.00	2400.00
613.02	CENTERLINE AND REFERENCE SURVEY MONUMENTS	3.00	EACH	30.00	90.00	50.00	150.00	28.00	84.00	25.00	75.00	100.00	300.00	70.00	210.00	105.00	315.00	21.00	63.00	20.00	60.00	126.26	378.78	50.00	150.00	25.00	75.00		100.00	300.00
614.01	STANDARD C AND C STREET SURVEY MONUMENT	3.00	EACH	110.00	330.00	100.00	300.00	125.00	375.00	120.00	360.00	100.00	300.00	120.00	360.00	125.00	375.00	112.50	337.50	86.00	258.00	138.06	414.18	50.00	150.00	75.00	225.00		150.00	450.00
614.02	RECONSTRUCTED SURVEY MONUMENT	1.00	EACH	100.00	100.00	50.00	50.00	80.00	80.00	90.00	90.00	75.00	75.00	100.00	325.00	325.00	54.00	54.00	70.00	70.00	153.40	153.40	300.00	300.00	60.00	60.00		50.00	50.00	
615.01	LEVELING SURFACES		F.A.	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00		0.00	3000.00
617.01	IMPORTED TOPSOIL	700.00	CU YD	7.50	5250.00	7.00	4900.00	7.50	5250.00	6.75	4725.00	5.00	3500.00	5.00	3500.00	7.00	4900.00	7.00	4900.00	8.00	5600.00	8.26	5782.00	4.80	3360.00	7.50	5250.00		7.00	4900.00
618.01	SODDING SURFACES	4320.00	SQ YD	.65	2808.00	.95	4104.00	1.30	5616.00	1.50	6480.00	1.20	5184.00	1.20	5184.00	.65	2808.00	1.20	5184.00	1.45	6264.00	2.65	11448.00	.70	3024.00	2.50	10800.00		1.00	4320.00
619.705	PLANTING VINES, WEDELIA TRILOBATA (WEDELIA) 12 TO 18 INCHES LONG RUNNERS	97200.00	SQ FT	.13	12636.00	.12	11664.00	.15	14580.00	.14	13608.00	.14	13608.00	.10	9720.00	.13	12636.00	.14	13608.00	.15	14580.00	.15	14580.00	.14	13608.00	.15	14580.00		.10	9720.00
619.900	TRANSPLANTING TREES, COCOS NUCIFERA (COCONUT)	10.00	EACH	150.00	1500.00	260.00	2600.00	250.00	2500.00	220.00	2200.00	200.00	2000.00	200.00	2000.00	148.00	1480.00	220.00	2200.00	250.00	2500.00	413.00	4130.00	150.00	1500.00	390.00	3900.00		250.00	2500.00
621.40	REFLECTOR MARKER	27.00	EACH	16.00	432.00	10.00	270.00	12.00	324.00	7.25	195.75	25.00	675.00	7.00	189.00	16.00	432.00	4.30	116.10	15.00	405.00	17.11	461.97	16.00	432.00	16.00	432.00		25.00	675.00
621.41	REFLECTOR MARKER WITH POST	10.00	EACH	21.50	215.00	12.60	126.00	15.00	150.00	11.00	110.00	30.00	300.00	30.00	300.00	21.50	215.00	7.00	70.00	20.00	200.00	23.01	230.10	22.00	220.00	21.65	216.50		35.00	350.00
621.43	REFLECTOR MARKER (HORIZONTAL) WITH POST	3.00	EACH	25.00	75.00	18.00	54.00	20.00	60.00	15.50	46.50	35.00	105.00	35.00	105.00	25.00	75.00	12.50	37.50	25.00	75.00	27.14	81.42	26.00	78.00	25.55	76.65		35.00	105.00
621.50	REGULATORY AND WARNING SIGN	1.00	EACH	60.00	60.00	35.00	35.00	28.00	28.00	28.50	28.50	60.00	60.00	40.00	40.00	60.00	60.00	25.00	64.90	55.00	55.00	64.90	62.00	62.00	55.00	55.00		80.00	80.00	
621.51	REGULATORY AND WARNING SIGN WITH POST	21.00	EACH	77.00	1617.00	36.00	756.00	39.00	819.00	66.50	1396.50	75.00	1575.00	70.00	1470.00	78.00	1638.00	53.00	1133.00	75.00	1575.00	82.60	1734.60	79.00	1659.00	78.00	1638.00		90.00	1890.00
621.70	CONSTRUCTION SIGN	7.00	EACH	50.00	350.00	35.00	245.00	22.00	154.00	24.25	169.75	50.00	350.00	60.00	420.00	50.00	350.00	20.00	140.00	50.00	350.00	53.10	371.70	53.00	371.00	50.00	350.00		100.00	700.00
621.71	CONSTRUCTION SIGN WITH POST	13.00	EACH	125.00	1625.00	65.00	845.00	69.00	897.00	119.00	1547.00	150.00	1950.00	100.00	1300.00	127.00	1651.00	85.00	1105.00	125.00	1625.00	135.70	1764.10	130.00	1690.00	127.50	1657.50		150.00	1950.00
622.001	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT-SINGLE BRACKET ON METAL LAMP POST		L.S.	0.00	39000.00	0.00	37000.00	0.00	45000.00	0.00	40500.00	0.00	40000.00	0.00	43000.00	0.00	38000.00	0.00	38185.00	0.00	40000.00	0.00	42554.34	0.00	40390.00	0.00	40000.00		0.00	37200.00
622.004	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT-MAST ARMS ON JOINT POLE		L.S.	0.00	8000.00	0.00	7500.00	0.00	9500.00	0.00	6800.00	0.00	9000.00	0.00	4800.00	0.00	7500.00	0.00	7860.00	0.00	8250.00	0.00	8749.70	0.00	8305.00	0.00	8506.00		0.00	12000.00

DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970
BIDS OPENED - THURSDAY DECEMBER 17, 1970
COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS

SHEET NO. 5 OF 10 SHEETS

PROJECT - MOKAPU SADDLE ROAD (KANEHOE BAY DR TO KAILUA INTER)
PROJECT NOS. - S-0630(10) AND S-0630(7)
TYPE CODE - 6203, Y003, ROW, R/WU
ISLAND - OAHU

DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970
BIDS OPENED - THURSDAY DECEMBER 17, 1970
COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.		STATE OF HAWAII DEPT. OF TRANSPORTATION	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
624.1277	FURNISHING AND INSTALLING 2-INCH AIR RELIEF VALVE (105 PSI MINIMUM WORKING PRESSURE) AND ALL APPURTENANCES	4.00	EACH	250.00	1000.00	510.00	2040.00	500.00	2000.00	300.00	1200.00	200.00	800.00	300.00	1200.00	450.00	1800.00	264.50	1058.00	298.00	1192.00	283.20	1132.80	340.00	1360.00	325.00	1300.00	170.00	680.00
624.1564	FURNISHING AND INSTALLING 30-INCH CONCRETE CYLINDER BEND (0 DEG TO 22.5 DEG INCLUSIVE) (CLASS 250)	1.00	EACH	625.00	625.00	702.00	702.00	600.00	600.00	650.00	650.00	650.00	650.00	600.00	600.00	750.00	750.00	693.00	693.00	610.00	610.00	690.30	690.30	625.00	625.00	650.00	650.00	400.00	400.00
624.1574	FURNISHING AND INSTALLING 30-INCH CONCRETE CYLINDER BEND (OVER 22.5 DEG TO 45 DEG INCLUSIVE) (CLASS 250)	2.00	EACH	880.00	1760.00	944.00	1888.00	850.00	1700.00	850.00	1700.00	850.00	1700.00	800.00	1600.00	1000.00	2000.00	932.00	1864.00	825.00	1650.00	861.40	1722.80	845.00	1690.00	900.00	1800.00	475.00	950.00
624.1584	FURNISHING AND INSTALLING 30-INCH CONCRETE CYLINDER BEND (OVER 45 DEG TO 67.5 DEG INCLUSIVE) (CLASS 250)	1.00	EACH	1120.00	1120.00	1207.00	1207.00	1100.00	1100.00	1100.00	1100.00	1000.00	1000.00	1000.00	1000.00	1200.00	1200.00	1191.00	1191.00	1075.00	1075.00	1115.10	1115.10	1090.00	1090.00	1150.00	1150.00	525.00	525.00
624.1640	FURNISHING AND INSTALLING CAST IRON FITTINGS	11800.00	LB	.65	7670.00	.60	7080.00	.50	5900.00	.62	7316.00	.50	5900.00	.70	8260.00	.60	7080.00	.70	8260.00	.55	6490.00	.45	5310.00	.70	8260.00	.57	6726.00	.50	5900.00
624.1685	FURNISHING AND INSTALLING FIRE HYDRANT CURB GUARD	2.00	EACH	85.00	170.00	70.00	140.00	160.00	320.00	150.00	300.00	400.00	800.00	180.00	360.00	220.00	440.00	105.00	210.00	125.00	250.00	147.50	295.00	250.00	500.00	130.00	260.00	60.00	120.00
624.1695	FURNISHING AND INSTALLING 2-INCH COPPER PIPE INCLUDING FITTINGS	120.00	LIN FT	5.20	624.00	5.95	714.00	5.50	660.00	6.25	750.00	5.00	600.00	7.00	840.00	9.00	1080.00	5.40	648.00	6.00	720.00	5.02	602.40	5.00	600.00	6.50	780.00	2.50	300.00
624.1696	FURNISHING AND INSTALLING 1-1/2 INCH COPPER PIPE INCLUDING FITTINGS	110.00	LIN FT	3.50	385.00	4.40	484.00	3.50	385.00	3.75	412.50	3.00	330.00	5.00	550.00	8.00	880.00	3.45	379.50	3.25	357.50	2.06	226.60	3.50	385.00	5.15	566.50	2.00	220.00
624.1724	FURNISHING AND INSTALLING 30-INCH X 12-INCH BLOW-OFF TEE, 12-INCH TO FIT CAST IRON PIPE	1.00	EACH	1150.00	1150.00	1225.00	1225.00	1100.00	1100.00	1150.00	1150.00	1000.00	1000.00	1000.00	1000.00	1300.00	1300.00	1211.00	1211.00	1086.00	1086.00	1121.00	1121.00	1200.00	1200.00	1200.00	1200.00	650.00	650.00
624.1737	FURNISHING AND INSTALLING 30-INCH REMOVABLE PLUG TAPPED FOR 6-INCH PIPE THREAD	1.00	EACH	820.00	820.00	917.00	917.00	850.00	850.00	850.00	850.00	800.00	800.00	800.00	800.00	900.00	900.00	1121.00	1121.00	803.00	803.00	801.22	801.22	770.00	770.00	850.00	850.00	600.00	600.00
624.1759	FURNISHING AND INSTALLING 30-INCH X 24-INCH CONCRETE CYLINDER ECCENTRIC REDUCER (30-INCH BELL AND 24-INCH REDUCER)	2.00	EACH	1700.00	3400.00	1860.00	3720.00	1700.00	3400.00	1700.00	3400.00	1500.00	3000.00	1600.00	3200.00	2000.00	4000.00	1866.00	3732.00	1680.00	3360.00	1622.50	3245.00	1600.00	3200.00	1750.00	3500.00	1300.00	2600.00
624.1783	FURNISHING AND INSTALLING TYPE X METER BOX INCLUDING CAST IRON COVER	15.00	EACH	75.00	1125.00	46.00	690.00	48.00	720.00	60.00	900.00	40.00	600.00	60.00	900.00	75.00	1125.00	54.00	810.00	55.00	825.00	82.60	1239.00	46.00	690.00	18.00	270.00	30.00	450.00
624.1821	FURNISHING AND INSTALLING 1-1/4 INCH COPPER SERVICE LATERAL WITH TYPE B COPPER SERVICE CONNECTION AND ALL APPURTENANCES OFF NEW MAIN	6.00	EACH	175.00	1050.00	243.00	1458.00	140.00	840.00	24.00	144.00	125.00	750.00	1100.00	6600.00	300.00	1800.00	96.00	576.00	161.00	966.00	167.56	1005.36	122.00	732.00	140.00	840.00	200.00	1200.00
624.1824	FURNISHING AND INSTALLING 1-1/2 INCH COPPER SERVICE LATERAL WITH TYPE C COPPER SERVICE CONNECTION AND ALL APPURTENANCES OFF NEW MAIN	1.00	EACH	200.00	200.00	250.00	250.00	170.00	170.00	425.00	425.00	140.00	140.00	200.00	200.00	330.00	330.00	270.00	270.00	198.00	198.00	206.50	206.50	165.00	165.00	175.00	175.00	250.00	250.00
624.1825	FURNISHING AND INSTALLING 1-1/2 INCH COPPER SERVICE LATERAL WITH TYPE C-1 COPPER SERVICE CONNECTION AND ALL APPURTENANCES OFF NEW MAIN	2.00	EACH	250.00	500.00	275.00	550.00	370.00	740.00	700.00	1400.00	180.00	360.00	230.00	460.00	330.00	660.00	443.00	886.00	216.00	432.00	265.50	531.00	380.00	760.00	250.00	500.00	300.00	600.00

PROJECT - MOKAPU SADDLE ROAD (KANEHOE BAY DR TO KAILUA INTER)
PROJECT NOS. - S-0630(10) AND S-0630(17)
TYPE CODE - 6203, Y003, ROW, R/WU
ISLAND - OAHU

DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970
BIDS OPENED - THURSDAY DECEMBER 17, 1970
COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.				STATE OF HAWAII DEPT. OF TRANSPORTATION	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT
624.1830	FURNISHING AND INSTALLING 2-INCH COPPER SERVICE LATERAL WITH TYPE D-2 COPPER SERVICE CONNECTION AND ALL APPURTENANCES OFF NEW MAIN	1.00	EACH	350.00	350.00	350.00	350.00	550.00	550.00	700.00	700.00	200.00	200.00	270.00	270.00	400.00	400.00	395.00	395.00	404.00	404.00	324.50	324.50	485.00	485.00	400.00	400.00			300.00	300.00
624.4171	REMOVING, CLEANING, PAINTING, AND REINSTALLING 6-INCH GATE VALVE	3.00	EACH	100.00	300.00	27.00	81.00	120.00	360.00	35.00	105.00	50.00	150.00	80.00	240.00	150.00	450.00	27.50	82.50	45.00	135.00	41.30	123.90	135.00	405.00	22.00	66.00			50.00	150.00
624.4172	REMOVING, CLEANING, PAINTING, AND REINSTALLING 8-INCH GATE VALVE	7.00	EACH	100.00	700.00	34.00	238.00	120.00	840.00	48.00	336.00	50.00	350.00	90.00	630.00	175.00	1225.00	34.50	241.50	50.00	350.00	41.30	289.10	120.00	840.00	25.00	175.00			60.00	420.00
624.4173	REMOVING, CLEANING, PAINTING, AND REINSTALLING 12-INCH GATE VALVE	2.00	EACH	125.00	250.00	42.00	84.00	160.00	320.00	75.00	150.00	70.00	140.00	100.00	200.00	175.00	350.00	57.00	114.00	60.00	120.00	47.20	94.40	120.00	240.00	30.00	60.00			75.00	150.00
624.4670	REMOVING, CLEANING, PAINTING, AND REINSTALLING FIRE HYDRANT	3.00	EACH	125.00	375.00	95.00	285.00	160.00	480.00	52.00	156.00	200.00	600.00	130.00	390.00	175.00	525.00	68.00	204.00	125.00	375.00	82.60	247.80	147.00	441.00	65.00	195.00			90.00	270.00
625.001	CUTTING AND PLUGGING EXISTING SEWER LATERAL		F.A.	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00	0.00	350.00			0.00	350.00
625.002	CUTTING AND PLUGGING EXISTING SEWER		F.A.	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00	0.00	1500.00			0.00	1500.00
625.005	EXTENDING 6-INCH SEWER LATERALS	21.00	LIN FT	10.00	210.00	6.00	126.00	6.00	126.00	9.50	199.50	25.00	525.00	8.00	168.00	11.00	231.00	8.40	176.40	12.00	252.00	7.08	148.68	18.00	378.00	16.00	336.00			14.00	294.00
625.006	REPLACEMENT OF EXISTING 6-INCH SEWER LATERAL	17.00	LIN FT	12.00	204.00	6.00	102.00	6.00	102.00	17.50	297.50	25.00	425.00	8.00	136.00	11.00	187.00	9.40	159.80	12.00	204.00	8.26	140.42	12.00	204.00	20.00	340.00			16.00	272.00
625.010	HOUSE SEWER CONNECTION		F.A.	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00			0.00	100.00
625.102	8-INCH DROP CONNECTION AT SEWER MANHOLE INCLUDING CHIMNEY AND CAST IRON FRAME AND COVER	8.00	LIN FT	50.00	400.00	65.00	520.00	14.50	116.00	95.00	760.00	50.00	400.00	50.00	400.00	28.00	224.00	52.00	416.00	78.00	624.00	94.40	755.20	90.00	720.00	85.00	680.00			65.00	520.00
625.111	8-INCH SHALLOW DROP CONNECTION AT SEWER MANHOLES	1.00	EACH	35.00	35.00	205.00	205.00	30.00	30.00	275.00	275.00	100.00	100.00	100.00	100.00	180.00	180.00	232.00	232.00	270.00	270.00	206.50	206.50	190.00	190.00	350.00	350.00			100.00	100.00
625.117	6-INCH SHALLOW DROP CONNECTION AT SEWER MANHOLES	2.00	EACH	30.00	60.00	190.00	380.00	23.00	46.00	200.00	400.00	100.00	200.00	100.00	200.00	140.00	280.00	182.00	364.00	270.00	540.00	206.50	413.00	175.00	350.00	320.00	640.00			100.00	200.00
625.201	8-INCH VITRIFIED CLAY SEWER PIPE	645.00	LIN FT	5.20	3354.00	5.20	3354.00	5.00	3225.00	5.00	3225.00	15.00	9675.00	4.00	2580.00	6.60	4257.00	4.90	3160.50	5.50	3547.50	6.52	4205.40	5.00	3225.00	6.00	3870.00			5.50	3547.50
625.221	PLAIN CONCRETE CRADLE FOR 8-INCH VITRIFIED CLAY SEWER PIPE	497.00	LIN FT	1.50	745.50	3.00	1491.00	2.00	994.00	1.75	869.75	2.00	994.00	5.00	2485.00	3.00	1491.00	1.90	944.30	2.50	1242.50	8.26	4105.22	2.40	1192.80	2.00	994.00			4.00	1988.00
625.260	PLAIN CONCRETE JACKET FOR 6-INCH VITRIFIED CLAY SEWER PIPE	6.00	LIN FT	10.00	60.00	7.50	45.00	12.00	72.00	9.00	54.00	2.00	12.00	6.00	36.00	21.00	126.00	8.00	48.00	12.00	72.00	8.26	49.56	13.00	78.00	12.00	72.00			6.00	36.00
625.280	REINFORCED CONCRETE JACKET FOR 6-INCH VITRIFIED CLAY SEWER PIPE	270.00	LIN FT	11.00	2970.00	10.10	2727.00	4.00	1080.00	11.00	2970.00	10.00	2700.00	6.00	1620.00	5.00	1350.00	9.00	2430.00	13.25	3577.50	10.62	2867.40	12.00	3240.00	13.00	3510.00			10.00	2700.00
625.281	REINFORCED CONCRETE JACKET FOR 8-INCH VITRIFIED CLAY SEWER PIPE	250.00	LIN FT	11.00	2750.00	11.00	2750.00	4.50	1125.00	12.00	3000.00	10.00	2500.00	7.00	1750.00	6.50	1625.00	10.20	2550.00	14.00	3500.00	10.62	2655.00	13.00	3250.00	15.00	3750.00			12.00	3000.00
626.01	CLASS I BARRICADES	12.00	EACH	100.00	1200.00	310.00	3720.00	95.00	1140.00	135.00	1620.00	200.00	2400.00	130.00	1560.00	80.00	960.00	85.00	1020.00	125.00	1500.00	141.60	1699.20	116.00	1392.00	110.00	1320.00			100.00	1200.00
626.02	CLASS II BARRICADES	26.00	EACH	50.00	1300.00	62.00	1612.00	60.00	1560.00	84.00	2184.00	300.00	7800.00	90.00	2340.00	35.00	910.00	50.00	1300.00	40.00	1040.00	128.62	3344.12	62.00	1612.00	60.00	1560.00			60.00	1560.00
627.30	RESTORATION OF EXISTING CITY STREETS AND OTHER IMPROVEMENTS (STREET LIGHTING - SERIES CIRCUIT ON JOINT POLE)		L.S.	0.00	3550.00	0.00	3400.00	0.00	4000.00	0.00	6500.00	0.00	13600.00	0.00	3800.00	0.00	3800.00	0.00	3480.00	0.00	3645.00	0.00	14493.94	0.00	3680.00	0.00	3650.00			0.00	12500.00
627.40	RESTORATION OF EXISTING CITY STREETS AND OTHER IMPROVEMENTS (STREET LIGHTING - MULTIPLE CIRCUIT)		L.S.	0.00	5760.00	0.00	5332.00	0.00	7000.00	0.00	7300.00	0.00	16000.00	0.00	3800.00	0.00	5213.00	0.00	5652.00	0.00	5919.00	0.00	6279.96	0.00	5972.00	0.00	6000.00			0.00	800.00

MOKAPU SADDLE ROAD (KANEHOE BAY DR TO KAILUA INTER)				DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970																											
PROJECT NOS. - S-0630(10) AND S-0630(7)				BIDS OPENED - THURSDAY DECEMBER 17, 1970																											
TYPE CODE - 6203, Y003, ROW, R/WU				COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS																											
ISLAND - OAHU																															
				J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.				STATE OF HAWAII DEPT. OF TRANSPORTATION	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT
628.02A2	SHOTCRETE FOR SPILLWAY	18.00	CU YD	100.00	1800.00	114.00	2052.00	100.00	1800.00	82.00	1476.00	100.00	1800.00	70.00	1260.00	83.00	1494.00	94.00	1692.00	95.00	1710.00	94.40	1699.20	84.00	1512.00	95.00	1710.00			110.00	1980.00
629.10	TYPE A PAVEMENT MARKERS	1000.00	EACH	1.25	1250.00	1.10	1100.00	1.00	1000.00	1.35	1350.00	2.00	2000.00	1.00	1000.00	1.25	1250.00	1.22	1220.00	1.25	1250.00	1.36	1360.00	1.30	1300.00	1.30	1300.00			1.50	1500.00
629.30	TYPE C PAVEMENT MARKERS	130.00	EACH	4.35	565.50	3.00	390.00	3.50	455.00	3.25	422.50	4.50	585.00	3.00	390.00	4.00	520.00	4.20	546.00	5.00	650.00	4.66	605.80	4.50	585.00	4.40	572.00			4.00	520.00
629.40	TYPE D PAVEMENT MARKERS	16.00	EACH	4.35	69.60	3.00	48.00	3.00	48.00	3.60	57.60	4.50	72.00	3.00	48.00	4.00	64.00	4.40	70.40	5.00	80.00	4.66	74.56	4.50	72.00	4.40	70.40			4.00	64.00
629.80	TYPE H PAVEMENT MARKERS	20.00	EACH	4.35	87.00	3.00	60.00	3.00	60.00	3.75	75.00	4.50	90.00	3.00	60.00	4.00	80.00	4.40	88.00	5.00	100.00	4.66	93.20	4.50	90.00	4.40	88.00			4.00	80.00
630.0005	INSTALLING POLE ANCHOR	1.00	EACH	190.00	190.00	200.00	200.00	220.00	220.00	141.00	141.00	180.00	180.00	160.00	160.00	200.00	200.00	186.00	186.00	195.00	195.00	206.50	206.50	196.00	196.00	200.00	200.00			200.00	200.00
630.0011	FURNISH AND INSTALL HECO PRECAST SERVICE BOX	4.00	EACH	165.00	660.00	160.00	640.00	195.00	780.00	190.00	760.00	160.00	640.00	170.00	680.00	170.00	680.00	164.00	656.00	172.00	688.00	182.90	731.60	174.00	696.00	175.00	700.00			130.00	520.00
630.0012	FURNISH AND INSTALL HECO TRANSFORMER PAD	1.00	EACH	300.00	300.00	290.00	290.00	350.00	350.00	190.00	190.00	300.00	300.00	160.00	160.00	300.00	300.00	292.00	292.00	305.00	305.00	324.50	324.50	308.00	308.00	300.00	300.00			150.00	150.00
630.0016	INSTALLING HTCO PRECAST 435 PULLBOX	7.00	EACH	165.00	1155.00	160.00	1120.00	195.00	1365.00	195.00	1365.00	170.00	1190.00	80.00	560.00	170.00	1190.00	164.00	1148.00	172.00	1204.00	182.90	1280.30	174.00	1218.00	175.00	1225.00			130.00	910.00
630.0017	INSTALLING HTCO PRECAST 436 METER BOX	5.00	EACH	100.00	500.00	90.00	450.00	110.00	550.00	76.00	380.00	100.00	500.00	30.00	150.00	95.00	475.00	90.00	450.00	95.00	475.00	100.30	501.50	95.00	475.00	95.00	475.00			100.00	500.00
630.0081	CONSTRUCT HECO 4 FEET X 6 FEET HANDHOLE	3.00	EACH	1835.00	5505.00	1800.00	5400.00	2100.00	6300.00	1400.00	4200.00	2000.00	6000.00	1500.00	4500.00	1900.00	5700.00	1805.00	5415.00	1887.00	5661.00	2006.00	6018.00	1904.00	5712.00	1885.00	5655.00			2800.00	8400.00
630.0082	FURNISH AND INSTALL HECO PRECAST 3 FEET X 5 FEET HANDHOLE	4.00	EACH	1520.00	6080.00	1500.00	6000.00	1750.00	7000.00	750.00	3000.00	1800.00	7200.00	1200.00	4800.00	1500.00	6000.00	1484.00	5936.00	1554.00	6216.00	1652.00	6608.00	1568.00	6272.00	1550.00	6200.00			1400.00	5600.00
630.0083	CONSTRUCT HTCO TYPE NO. 1 HANDHOLE	1.00	EACH	1835.00	1835.00	1800.00	1800.00	2100.00	2100.00	865.00	865.00	2000.00	2000.00	1200.00	1200.00	1900.00	1900.00	1802.00	1802.00	1887.00	1887.00	2006.00	2006.00	1904.00	1904.00	1885.00	1885.00			1500.00	1500.00
630.1001	INSTALLING ONE 2-INCH TRANSITE CONDUIT IN PLAIN CONCRETE JACKET	74.00	LIN FT	3.65	270.10	3.50	259.00	4.50	333.00	6.85	506.90	4.00	296.00	7.00	518.00	4.00	296.00	3.60	266.40	3.80	281.20	4.02	297.48	4.00	296.00	3.75	277.50			8.00	592.00
630.1002	INSTALLING TWO 2-INCH TRANSITE CONDUITS IN PLAIN CONCRETE JACKET	110.00	LIN FT	4.75	522.50	4.50	495.00	5.50	605.00	8.75	962.50	4.50	495.00	6.00	660.00	5.00	550.00	4.70	517.00	4.90	539.00	5.19	570.90	5.00	550.00	4.90	539.00			9.00	990.00
630.1021	INSTALLING ONE 3-INCH TRANSITE CONDUIT IN PLAIN CONCRETE JACKET	98.00	LIN FT	3.90	382.20	4.00	392.00	4.50	441.00	7.80	764.40	4.00	392.00	6.00	588.00	4.00	392.00	3.85	377.30	4.00	392.00	4.26	417.48	4.50	441.00	4.00	392.00			8.00	784.00
630.1022	INSTALLING TWO 3-INCH TRANSITE CONDUITS IN PLAIN CONCRETE JACKET	268.00	LIN FT	5.60	1500.80	5.25	1407.00	6.50	1742.00	9.20	2465.60	5.50	1474.00	8.00	2144.00	5.50	1474.00	5.50	1474.00	5.75	1541.00	6.10	1634.80	6.00	1608.00	5.75	1541.00			9.00	2412.00
630.1242	INSTALLING TWO 4-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	10.00	LIN FT	7.50	75.00	7.00	70.00	8.50	85.00	10.20	102.00	7.20	72.00	10.00	100.00	8.00	80.00	7.30	73.00	7.65	76.50	8.14	81.40	8.00	80.00	7.65	76.50			10.00	100.00
630.1301	INSTALLING ONE 2-INCH AND ONE 3-INCH TRANSITE CONDUITS IN PLAIN CONCRETE JACKET	40.00	LIN FT	5.20	208.00	5.00	200.00	6.00	240.00	7.90	316.00	5.00	200.00	8.00	320.00	5.25	210.00	5.15	206.00	5.35	214.00	5.70	228.00	5.50	220.00	5.35	214.00			10.00	400.00
630.1302	INSTALLING ONE 2-INCH TRANSITE CONDUIT AND ONE 4-INCH PLASTIC DUCT IN PLAIN CONCRETE JACKET	10.00	LIN FT	7.00	70.00	6.50	65.00	8.00	80.00	10.60	106.00	6.50	65.00	7.00	70.00	7.00	70.00	6.80	68.00	7.10	71.00	7.55	75.50	7.20	72.00	7.10	71.00			9.50	95.00
630.1352	INSTALLING TWO 2-INCH TRANSITE CONDUITS AND ONE 4-INCH PLASTIC DUCT IN PLAIN CONCRETE JACKET	92.00	LIN FT	7.80	717.60	7.50	690.00	9.00	828.00	10.50	966.00	7.30	671.60	7.00	644.00	8.00	736.00	7.70	708.40	8.00	736.00	8.53	784.76	8.00	736.00	8.00	736.00			11.00	1012.00
630.1353	INSTALLING TWO 2-INCH AND ONE 3-INCH TRANSITE CONDUITS AND ONE 4-INCH PLASTIC DUCT IN PLAIN CONCRETE JACKET	40.00	LIN FT	10.15	406.00	9.50	380.00	13.00	520.00	14.50	580.00	9.50	380.00	12.00	480.00	10.50	420.00	9.95	398.00	10.40	416.00	11.07	442.80	10.50	420.00	10.40	416.00			12.00	480.00
630.1354	INSTALLING ONE 3-INCH TRANSITE CONDUIT AND ONE 1-INCH PLASTIC DUCT IN PLAIN CONCRETE JACKET	80.00	LIN FT	3.20	256.00	4.00	320.00	5.00	400.00	8.50	680.00	4.20	336.00	8.00	640.00	4.50	360.00	4.20	336.00	4.35	348.00	4.64	371.20	4.50	360.00	4.35	348.00			9.00	720.00

PROJECT - MOKAPU SADDLE ROAD (KANEHOE BAY DR TO KAILUA INTER)				DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970																									
PROJECT NOS. - S-0630(10) AND S-0630(7)				BIDS OPENED - THURSDAY DECEMBER 17, 1970																									
TYPE CODE - 6203, Y003, ROW, R/WU				COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS																									
ISLAND - OAHU																													
				J.M. TANAKA CONSTRUCTION, INC.		URBAN CONSTR., INC. & HIRANO BROTHERS, LIMITED		DILLINGHAM CORPORATION		JAS. W. GLOVER, LTD.		HIGHWAY CONSTR. CO., LTD.		MARK CONSTRUCTION INC.		STEWART-PACIFIC -ERICKSON, JV		PACIFIC CONTRACTORS, INC.		TERRITORIAL CONTRACTORS		ROYAL CONTRACTING CO., LTD.		E.E. BLACK, LTD.		HAITSUKA BROTHERS LTD.		STATE OF HAWAII DEPT. OF TRANSPORTATION	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT
630.1355	INSTALLING THREE 3-INCH TRANSITE CONDUITS AND TWO 4-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	38.00	LIN FT	13.00	494.00	12.50	475.00	15.00	570.00	16.00	608.00	13.00	494.00	19.00	722.00	13.00	494.00	12.75	484.50	13.30	505.40	14.16	538.08	13.50	513.00	13.30	505.40	14.00	532.00
630.1356	INSTALLING ONE 2-INCH TRANSITE CONDUIT AND ONE 1-INCH PLASTIC DUCT IN PLAIN CONCRETE JACKET	32.00	LIN FT	3.00	96.00	4.00	128.00	4.50	144.00	9.30	297.60	4.00	128.00	8.00	256.00	4.00	128.00	3.90	124.80	4.10	131.20	4.35	139.20	4.50	144.00	4.10	131.20	7.50	240.00
630.3701	INSTALLING ONE 1-INCH PLASTIC DUCT CONDUIT (DIRECT BURIAL)	58.00	LIN FT	2.10	121.80	2.00	116.00	2.50	145.00	6.15	356.70	2.00	116.00	4.00	232.00	2.00	116.00	2.05	118.90	2.15	124.70	2.25	130.50	2.50	145.00	2.10	121.80	6.00	348.00
630.3703	INSTALLING TWO 2-INCH PVC CONDUITS AND ONE 4-INCH PLASTIC DUCT (DIRECT BURIAL)	102.00	LIN FT	6.30	642.60	6.00	612.00	7.00	714.00	8.00	816.00	6.00	612.00	8.00	816.00	6.50	663.00	6.15	627.30	6.45	657.90	6.84	697.68	6.50	663.00	6.45	657.90	6.50	663.00
630.3704	INSTALLING TWO 2-INCH AND ONE 3-INCH PVC CONDUITS AND ONE 4-INCH PLASTIC DUCT (DIRECT BURIAL)	36.00	LIN FT	8.50	306.00	7.50	270.00	9.00	324.00	7.80	280.80	8.00	288.00	12.00	432.00	8.00	288.00	7.85	282.60	8.20	295.20	8.72	313.92	8.50	306.00	8.20	295.20	7.00	252.00
630.3705	INSTALLING ONE 3-INCH PVC CONDUIT AND ONE 1-INCH PLASTIC DUCT (DIRECT BURIAL)	48.00	LIN FT	4.00	192.00	4.00	192.00	4.50	216.00	6.80	326.40	3.70	177.60	8.00	384.00	4.00	192.00	3.70	177.60	3.90	187.20	4.13	198.24	4.00	192.00	3.90	187.20	6.00	288.00
630.3706	INSTALLING ONE 4-INCH PLASTIC DUCT WITH CABLES INSTALLED BY OTHERS (DIRECT BURIAL)	154.00	LIN FT	4.25	654.50	4.00	616.00	5.00	770.00	1.85	284.90	4.00	616.00	4.00	616.00	4.00	616.00	4.05	623.70	4.20	646.80	4.48	689.92	4.50	693.00	4.20	646.80	6.00	924.00
630.3707	DIRECT BURIAL TRENCH - (CABLE BY OTHERS)	140.00	LIN FT	2.50	350.00	3.50	490.00	3.00	420.00	3.35	469.00	3.00	420.00	4.00	560.00	2.50	350.00	2.40	336.00	2.50	350.00	2.65	371.00	2.50	350.00	2.50	350.00	5.50	770.00
632.70	RESET REGULATORY AND WARNING SIGN WITH POST	6.00	EACH	50.00	300.00	21.00	126.00	40.00	240.00	18.00	108.00	50.00	300.00	60.00	360.00	48.00	288.00	27.70	166.20	50.00	300.00	50.74	304.44	50.00	300.00	47.75	286.50	65.00	390.00
636.05	FIELD OFFICE AND PROJECT SITE LABORATORY (NOT TO EXCEED \$3000.00)		L.S.	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00	0.00	3000.00
638.01	MOBILIZATION		L.S.	0.00	62000.00	0.00	24860.00	0.00	75000.00	0.00	27000.00	0.00	85000.00	0.00	85956.00	0.00	90000.00	0.00	85000.00	0.00	47000.00	0.00	70682.00	0.00	94000.00	0.00	12000.00	0.00	83600.00
639.01	TEMPORARY PROJECT WATER POLLUTION CONTROL (SOIL EROSION)		F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00
640.01	CLASS B CONCRETE OR SHOTCRETE FOR 2 FEET - 0 INCHES X 2 FEET - 0 INCHES (SIDE SLOPE - 1/2 TO 1)	70.00	LIN FT	12.00	840.00	10.40	728.00	10.00	700.00	13.50	945.00	7.00	490.00	8.00	560.00	11.00	770.00	7.80	546.00	8.25	577.50	11.95	836.50	12.00	840.00	14.50	1015.00	10.00	700.00
640.02	TRAPEZOIDAL LINED DRAINAGE DITCHES CLASS B CONCRETE OR SHOTCRETE FOR 2 FEET - 0 INCHES X 2 FEET - 0 INCHES (SIDE SLOPE - 1 TO 1)	1110.00	LIN FT	10.50	11655.00	12.30	13653.00	9.00	9990.00	9.00	9990.00	8.50	9435.00	9.00	9990.00	7.00	7770.00	9.70	10767.00	10.60	11766.00	7.08	7858.80	6.80	7548.00	9.50	10545.00	10.00	11100.00
640.03	TRAPEZOIDAL LINED DRAINAGE DITCHES CLASS B CONCRETE OR SHOTCRETE FOR 1 FOOT - 0 INCHES X 1 FOOT - 0 INCHES	140.00	LIN FT	5.80	812.00	10.50	1470.00	7.00	980.00	6.50	910.00	3.50	490.00	6.00	840.00	4.00	560.00	4.60	644.00	5.00	700.00	4.39	614.60	4.20	588.00	5.50	770.00	5.00	700.00
640.04	DRAINAGE DITCHES CLASS B CONCRETE OR SHOTCRETE FOR 1 FOOT - 6 INCHES X 1 FOOT - 6 INCHES TRAPEZOIDAL LINED	335.00	LIN FT	8.40	2814.00	11.00	3685.00	8.00	2680.00	8.60	2881.00	6.00	2010.00	7.00	2345.00	6.20	2077.00	7.40	2479.00	8.00	2680.00	6.58	2204.30	6.40	2144.00	8.50	2847.50	8.00	2680.00
640.05	CLASS B CONCRETE OR SHOTCRETE FOR 4 FEET - 0 INCHES X 4 FEET - 0 INCHES TRAPEZOIDAL LINED DRAINAGE DITCHES	245.00	LIN FT	20.80	5096.00	27.20	6664.00	20.00	4900.00	17.50	4287.50	30.00	7350.00	14.00	3430.00	15.00	3675.00	29.00	7105.00	31.00	7595.00	16.11	3946.95	20.00	4900.00	21.00	5145.00	30.00	7350.00

DATE ADVERTISED - HONOLULU STAR-BULLETIN, NOV 23,25,27,30, DEC 2, 1970
BIOS OPENED - THURSDAY DECEMBER 17, 1970
COMPLETION TIME - TWO HUNDRED TWENTY (220) WORKING DAYS