

PROJECT - HAWAII BELT, FAP ROUTE 11
PALANI ROAD TO KILCHANA SUBDIVISION
FEDERAL AID PRIMARY PROJECT NO. F-011-1(14)
TYPE CODE - 1000, Y003, Y007, Y030, Y031, Y060, Y070, Y080
ISLAND - HAWAII

DATE ADVERTISED - HONOLULU ADVERTISER - SEPT. 8, 10 & 13, 1982
HAWAII TRIBUNE-HERALD - SEPT. 10 & 13, 1982
BIDS OPENED - SEPTEMBER 30, 1982
COMPLETION TIME - THREE HUNDRED (300) WORKING DAYS

					ISEMOTO CONTRACTING CO LTD		PAN-PACIFIC CONSTRUCTION INC		HAWAIIAN DREDGING & CONSTRUCTION COMPANY A DIV OF DILLINGHAM CONSTRUCTION CORP		KOGA ENGINEERING & CONSTRUCTION INC		GOODFELLOW BROS INC		E E BLACK LTD		JAS W GLOVER LTD		M SCOMURA CONTRACTING CO INC		OKADA TRUCKING CO LTD		STATE OF HAWAII	
	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
	104.0600	MAINTENANCE OF DETOURS	F.A.	F.A.	0.00	26000.00	0.00	26000.00	0.00	26000.00	0.00	26000.00	0.00	26000.00	0.00	26000.00	0.00	26000.00	0.00	26000.00	0.00	26000.00	0.00	26000.00
	201.0200	REMOVING LARGE TREES	F.A.	F.A.	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00	0.00	15000.00
	203.0100	ROADWAY EXCAVATION	302477.	CU YD	4.98	1506335.46	3.55	1073793.35	7.00	2117339.00	9.50	2873531.50	8.60	2601302.20	8.58	2595252.66	8.50	2571054.50	7.65	2313949.05	10.00	3024770.00	5.00	1512385.00
	206.1000	STRUCTURE EXCAVATION OTHER THAN AT BRIDGES	12026.	CU YD	8.60	103423.60	15.00	180390.00	12.50	150325.00	25.00	300650.00	7.00	84182.00	9.46	113765.96	38.00	456988.00	19.25	231500.50	40.00	481040.00	18.00	216468.00
	206.2040	STRUCTURE EXCAVATION FOR WATER SYSTEM	1757.	CU YD	51.00	89607.00	48.00	84336.00	33.00	57981.00	60.00	105420.00	18.00	31626.00	18.91	33224.87	48.00	84336.00	63.00	110691.00	105.00	184485.00	50.00	87850.00
	206.2060	STRUCTURE EXCAVATION FOR ELECTRIC SYSTEM	254.	CU YD	127.00	32258.00	136.00	34544.00	135.00	34290.00	123.00	31242.00	123.00	31242.00	136.65	34709.10	65.00	16510.00	85.00	21590.00	130.00	33020.00	20.00	5080.00
	206.2070	STRUCTURE EXCAVATION FOR TELEPHONE SYSTEM	118.	CU YD	127.00	14986.00	136.00	16048.00	135.00	15930.00	123.00	14514.00	123.00	14514.00	136.65	16124.70	65.00	7670.00	90.00	10620.00	130.00	15340.00	18.00	2124.00
	206.4200	STRUCTURE EXCAVATION FOR BOX CULVERTS AND WINGWALL	939.	CU YD	11.50	10798.50	21.00	19719.00	7.00	6573.00	25.00	23475.00	13.00	12207.00	6.56	6159.84	35.00	32865.00	15.00	14085.00	140.00	131460.00	50.00	46950.00
	206.7000	STRUCTURE BACKFILL	5241.	CU YD	32.00	167712.00	27.00	141507.00	20.00	104820.00	20.00	104820.00	20.00	104820.00	12.05	63154.05	45.00	235845.00	65.00	340665.00	27.00	141507.00	26.00	136266.00
	206.7500	STRUCTURE BACKFILL FOR CRM WALLS AT SIDEROADS	324.	CU YD	31.00	10044.00	26.00	8424.00	20.00	6480.00	20.00	6480.00	40.00	12960.00	14.30	4633.20	35.00	11340.00	65.00	21060.00	25.00	8100.00	26.00	8424.00
	206.8000	FILTER MATERIAL	148.	CU YD	25.00	3700.00	25.00	3700.00	32.50	4810.00	41.00	6068.00	54.00	7992.00	28.00	4144.00	45.00	6660.00	65.00	9620.00	40.00	5920.00	50.00	7400.00
	207.0100	DITCH AND CHANNEL EXCAVATION	14852.	CU YD	7.00	103964.00	13.00	193076.00	8.50	126242.00	15.00	222780.00	10.70	158916.40	22.64	336249.28	10.00	148520.00	8.10	120301.20	12.00	178224.00	18.00	267336.00
	304.1110	AGGREGATE BASE	18322.	CU YD	22.00	403084.00	19.00	348118.00	22.50	412245.00	18.00	329796.00	20.00	366440.00	18.40	337124.80	30.00	549660.00	31.00	567982.00	30.00	549660.00	18.00	329796.00
	305.1110	AGGREGATE SUBBASE	43400.	CU YD	19.35	839790.00	14.00	607600.00	14.80	642320.00	14.00	607600.00	18.00	781200.00	20.25	878850.00	27.00	1171800.00	32.00	1388800.00	22.00	954800.00	14.00	607600.00
	401.0300	ASPHALT CONCRETE PAVEMENT, MIX NO. III	10450.	TON	50.06	523127.00	53.60	560120.00	48.10	502645.00	49.00	512050.00	49.00	512050.00	54.00	564300.00	51.00	532950.00	52.00	543400.00	51.00	532950.00	55.00	574750.00
	401.0500	ASPHALT CONCRETE PAVEMENT, MIX NO. V	12730.	TON	52.95	674053.50	56.70	721791.00	51.10	650503.00	52.00	661960.00	51.00	649230.00	57.10	726883.00	54.00	687420.00	54.50	693785.00	54.00	687420.00	55.00	700150.00
	407.1000	EMULSIFIED ASPHALT FOR BITUMINOUS TACK COAT	11500.	GAL	1.34	15410.00	1.45	16675.00	1.75	20125.00	1.30	14950.00	1.30	14950.00	1.45	16675.00	1.30	14950.00	1.40	16100.00	1.40	16100.00	1.25	14375.00
	503.0020	CLASS A CONCRETE FOR DRAINAGE SYSTEM	406.	CU YD	383.00	155498.00	370.00	150220.00	381.50	154889.00	267.00	108402.00	375.00	152250.00	262.00	106372.00	450.00	182700.00	250.00	101500.00	500.00	203000.00	375.00	152250.00
	503.0040	CLASS A CONCRETE FOR WATER SYSTEM	90.	CU YD	260.00	23400.00	400.00	36000.00	271.00	24390.00	216.00	19440.00	280.00	25200.00	130.00	11700.00	300.00	27000.00	360.00	32400.00	320.00	28800.00	400.00	36000.00
	503.0140	CONCRETE IN APRON	70.	CU YD	181.00	12670.00	170.00	11900.00	165.00	11550.00	135.00	9450.00	150.00	10500.00	187.50	13125.00	150.00	10500.00	260.00	18200.00	280.00	19600.00	250.00	17500.00
	503.1030	CONCRETE IN BOX CULVERT	L.S.	L.S.	0.00	193063.00	0.00	285000.00	0.00	183800.00	0.00	137198.50	0.00	220000.00	0.00	150890.19	0.00	200000.00	0.00	275000.00	0.00	205000.00	0.00	330500.00
	508.0100	CEMENT RUBBLE MASONRY	763.	CU YD	230.00	175490.00	205.00	156415.00	83.00	63329.00	180.00	137340.00	180.00	137340.00	200.00	152600.00	185.00	141155.00	280.00	213640.00	150.00	114450.00	180.00	137340.00
	602.0030	REINFORCING STEEL IN BOX CULVERTS	L.S.	L.S.	0.00	50315.00	0.00	53900.00	0.00	53735.00	0.00	48850.00	0.00	48000.00	0.00	54275.00	0.00	53500.00	0.00	55000.00	0.00	51000.00	0.00	84720.00
	602.1020	REINFORCING STEEL FOR DRAINAGE SYSTEM	30865.	LB	.73	22531.45	.80	24692.00	.80	24692.00	.70	21605.50	.78	21605.50	.78	24074.70	.80	24692.00	.80	24692.00	.80	24692.00	1.00	30865.00
	602.1040	REINFORCING STEEL FOR WATER SYSTEM	2150.	LB	.73	1569.50	.80	1720.00	.80	1720.00	.70	1505.00	.78	1505.00	.78	1677.00	.80	1720.00	.80	1720.00	.80	1720.00	2.00	4300.00
	603.0010	BED COURSE MATERIAL FOR CULVERT	2061.	CU YD	27.50	56677.50	24.00	49464.00	26.00	53586.00	30.00	61830.00	25.00	51525.00	19.00	39159.00	45.00	92745.00	65.00	133965.00	40.00	82440.00	31.00	63891.00
	603.1014	36-INCH REINFORCED CONCRETE PIPE, CLASS III	252.	LIN FT	60.00	15120.00	54.00	13608.00	64.00	16128.00	49.00	12348.00	63.00	15876.00	52.50	13230.00	65.00	16380.00	62.00	15624.00	50.00	12600.00	62.00	15624.00
	603.1020	54-INCH REINFORCED CONCRETE PIPE, CLASS III	139.	LIN FT	97.00	13483.00	98.00	13622.00	118.00	16402.00	100.00	13900.00	107.00	14873.00	90.00	12510.00	115.00	15985.00	97.00	13483.00	95.00	13205.00	100.00	13900.00
	603.3063	96-INCH STRUCTURAL PLATE PIPE NO. 10 GAGE																						
	603.3127	(DOMESTIC STEEL) 108-INCH STRUCTURAL PLATE PIPE NO. 8 GAGE (DOMESTIC STEEL)	113.	LIN FT	166.00	18758.00	210.00	23730.00	172.00	19436.00	115.50	13051.50	198.00	22374.00	155.50	17571.50	210.00	23730.00	205.00	23165.00	310.00	35030.00	440.00	49720.00
	603.3259	84-INCH STRUCTURAL PLATE PIPE NO. 5 GAGE (DOMESTIC STEEL)	452.	LIN FT	235.50	106446.00	265.00	119780.00	224.00	101248.00	159.00	71868.00	255.00	115260.00	224.00	101248.00	265.00	119780.00	260.00	117520.00	415.00	187580.00	440.00	198880.00
	603.3605	65-INCH X 40-INCH CORRUGATED METAL PIPE ARCH, SHEET THICKNESS 0.109 INCH	321.	LIN FT	217.00	69657.00	260.00	83460.00	215.00	69015.00	149.00	47829.00	230.00	73830.00	215.00	69015.00	255.00	81855.00	255.00	81855.00	335.00	107535.00	345.00	110745.00
			111.	LIN FT	79.00	8769.00	90.00	9990.00	70.00	7770.00	58.00	6438.00	75.00	8325.00	99.00	10989.00	135.00	14985.00	92.00	10212.00	95.00	10545.00	100.00	11100.00

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603.3610	7-FEET 0-INCH X 5-FEET 1-INCH STRUCTURAL PLATE PIPE ARCH NO. 10 GAGE (18 INCH CORNER RADIUS) (DOMESTIC STEEL)	330.	LIN FT	145.00	47850.00	160.00	52800.00	147.00	48510.00	101.00	33330.00	172.00	56760.00	134.00	44220.00	160.00	52800.00	157.00	51810.00	260.00	85800.00	200.00	66000.00
603.3615	8-FEET 2-INCH X 5-FEET 9-INCH STRUCTURAL PLATE PIPE ARCH NO. 10 GAGE (18 INCH CORNER RADIUS) (DOMESTIC STEEL)	288.	LIN FT	164.50	47376.00	182.00	52416.00	173.50	49968.00	116.00	33408.00	207.00	59616.00	165.50	47664.00	180.00	51840.00	178.00	51264.00	325.00	93600.00	260.00	74880.00
603.3630	12-FEET 10-INCH X 8-FEET 4-INCH STRUCTURAL PLATE PIPE ARCH NO. 8 GAGE (18 INCH CORNER RADIUS) (DOMESTIC STEEL)	285.	LIN FT	291.00	82935.00	326.00	92910.00	287.00	81795.00	206.00	58710.00	330.00	94050.00	285.25	81296.25	325.00	92625.00	319.00	90915.00	585.00	166725.00	580.00	165300.00
603.6535	84-INCH STRUCTURAL PLATE PIPE NO. 1 GAGE OR 84-INCH REINFORCED CONCRETE PIPE, CLASS III	123.	LIN FT	236.00	29028.00	320.00	39360.00	260.00	31980.00	175.00	21525.00	270.00	33210.00	253.50	31180.50	320.00	39360.00	314.00	38622.00	380.00	46740.00	200.00	24600.00
603.7228	24-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.168 INCH OR 24-INCH REINFORCED CONCRETE PIPE, CLASS III OR 24-INCH ASBESTOS CEMENT PIPE, CLASS III	267.	LIN FT	34.00	9078.00	35.00	9345.00	40.00	10680.00	37.00	9879.00	53.00	14151.00	76.50	20425.50	45.00	12015.00	42.00	11214.00	30.00	8010.00	40.00	10680.00
603.7340	30-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR 30-INCH REINFORCED CONCRETE PIPE, CLASS III OR 30-INCH ASBESTOS CEMENT PIPE, CLASS III	137.	LIN FT	45.00	6165.00	46.00	6302.00	53.00	7261.00	41.00	5617.00	43.00	5891.00	62.50	8562.50	55.00	7535.00	52.00	7124.00	41.00	5617.00	62.00	8494.00
603.7364	30-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.168 INCH OR 30-INCH REINFORCED CONCRETE PIPE, CLASS III OR 30-INCH ASBESTOS CEMENT PIPE, CLASS III	260.	LIN FT	43.00	11180.00	46.00	11960.00	51.00	13260.00	38.50	10010.00	63.00	16380.00	70.00	18200.00	50.00	13000.00	52.00	13520.00	41.00	10660.00	50.00	13000.00
603.7480	36-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.168 INCH OR 36-INCH REINFORCED CONCRETE PIPE, CLASS III OR 36-INCH ASBESTOS CEMENT PIPE, CLASS III	242.	LIN FT	55.50	13431.00	54.00	13068.00	64.00	15488.00	50.00	12100.00	72.00	17424.00	86.50	20933.00	70.00	16940.00	78.00	18876.00	50.00	12100.00	62.00	15004.00
604.0410	STANDARD WATER VALVE BOX	8.	EACH	161.00	1288.00	275.00	2200.00	606.00	4848.00	450.00	3600.00	265.00	2120.00	100.00	800.00	300.00	2400.00	170.00	1360.00	465.00	3720.00	300.00	2400.00
604.2060	20-INCH CAST IRON FRAME AND COVER FOR WATER VALVE BOX	8.	EACH	419.00	3352.00	350.00	2800.00	265.00	2120.00	192.50	1540.00	168.75	1350.00	208.50	1668.00	250.00	2000.00	465.00	3720.00	250.00	2000.00	250.00	2000.00
604.2331	TYPE 61614 STEEL FRAME AND GRATE (DOMESTIC STEEL)	2.	EACH	953.00	1906.00	1025.00	2050.00	1058.00	2116.00	1020.00	2040.00	1041.00	2082.00	950.00	1900.00	1750.00	3500.00	1200.00	2400.00	1450.00	2900.00	1500.00	3000.00
604.2341	TYPE 61616 STEEL FRAME AND GRATE (DOMESTIC STEEL)	8.	EACH	1025.00	8200.00	1100.00	8800.00	1075.00	8600.00	1100.00	8800.00	1119.25	8954.00	1475.00	11800.00	2500.00	20000.00	1250.00	10000.00	1995.00	15960.00	2000.00	16000.00
604.4010	ADJUSTING MANHOLE FRAME AND COVER	1.	EACH	120.00	120.00	150.00	150.00	180.00	180.00	220.00	220.00	256.00	256.00	208.00	208.00	250.00	250.00	450.00	450.00	235.00	235.00	250.00	250.00
604.4020	ADJUSTING WATER MANHOLE FRAME AND COVER	1.	EACH	120.00	120.00	150.00	150.00	180.00	180.00	220.00	220.00	256.00	256.00	208.00	208.00	200.00	200.00	450.00	450.00	335.00	335.00	300.00	300.00

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604.4550	ADJUSTING WATER VALVE BOX FRAME AND COVER	13.	EACH	69.00	897.00	175.00	2275.00	115.00	1495.00	96.00	1248.00	343.00	4459.00	238.00	3094.00	170.00	2210.00	220.00	2860.00	335.00	4355.00	250.00	3250.00
606.3111	GUARDRAIL, TYPE 3 - SINGLE WITH STEEL POST (DOMESTIC STEEL)	5909.	LIN FT	25.00	147725.00	27.00	159543.00	27.00	159543.00	25.00	147725.00	27.00	159543.00	27.00	159543.00	26.00	153634.00	26.00	153634.00	25.00	147725.00	25.00	147725.00
606.9000	TERMINAL SECTION TYPE BCT (DOMESTIC STEEL)	10.	EACH	1947.00	19470.00	2000.00	20000.00	2070.00	20700.00	1890.00	18900.00	2126.00	21260.00	2100.00	21000.00	2000.00	20000.00	2045.00	20450.00	1985.00	19850.00	2000.00	20000.00
607.8190	14-FEET WIDE DOUBLE HUNG METAL GATE WITH METAL POST	8.	EACH	927.00	7416.00	790.00	6320.00	785.00	6280.00	713.00	5704.00	1015.00	8120.00	792.00	6336.00	950.00	7600.00	1000.00	8000.00	950.00	7600.00	1000.00	8000.00
607.8200	12-FEET WIDE ALUMINUM GATE WITH WOOD POST	4.	EACH	510.00	2040.00	550.00	2200.00	825.00	3300.00	495.00	1980.00	557.00	2228.00	550.00	2200.00	350.00	1400.00	550.00	2200.00	520.00	2080.00	1000.00	4000.00
607.9031	BARBED WIRE FENCE WITH METAL POST (5-STRAND)	9252.	LIN FT	5.60	51811.20	3.25	30069.00	3.00	27756.00	3.00	27756.00	7.15	66151.80	3.20	29606.40	7.00	64764.00	7.00	64764.00	6.50	60138.00	7.00	64764.00
608.0200	4-INCH FLAIN CONCRETE SIDEWALK	216.	SQ YD	33.75	7290.00	28.00	6048.00	20.00	4320.00	23.00	4968.00	40.00	8640.00	21.00	4536.00	30.00	6480.00	40.00	8640.00	24.00	5184.00	55.00	11880.00
609.2020	CURB, TYPE 2D	1904.	LIN FT	29.40	55977.60	8.75	16660.00	9.00	17136.00	12.50	23800.00	10.00	19040.00	16.75	31892.00	10.00	19040.00	25.00	47600.00	7.00	13328.00	14.00	26656.00
609.2410	GUTTER, TYPE 2K	1522.	LIN FT	22.50	34245.00	18.00	27396.00	12.00	18264.00	12.00	18264.00	11.00	16742.00	12.35	18796.70	12.50	19025.00	21.00	31962.00	17.00	25874.00	11.50	17503.00
609.2420	GUTTER, TYPE 2L	565.	LIN FT	24.15	13644.75	19.00	10735.00	13.00	7345.00	16.00	9040.00	11.00	6215.00	13.10	7401.50	12.50	7062.50	22.00	12430.00	19.00	10735.00	13.75	7768.75
609.2430	GUTTER, TYPE 2M	457.	LIN FT	29.00	13253.00	23.00	10511.00	15.00	6855.00	15.00	6855.00	13.00	5941.00	15.55	7106.35	10.00	4570.00	25.00	11425.00	22.00	10054.00	16.50	7540.56
609.2440	GUTTER, TYPE 2N	501.	LIN FT	38.60	19338.60	31.00	15531.00	19.00	9519.00	21.00	10521.00	15.00	7515.00	21.75	10896.75	10.00	5010.00	30.00	15030.00	30.00	15030.00	22.00	11022.00
609.2720	CURB AND GUTTER, TYPE 2DG	472.	LIN FT	27.75	13098.00	16.50	7788.00	12.00	5664.00	9.00	4248.00	20.00	9440.00	22.75	10738.00	20.00	9440.00	27.00	12744.00	15.00	7080.00	20.00	9440.00
612.0100	GROUTED RUBBLE PAVING	79.	CU YD	150.00	11850.00	255.00	20145.00	150.00	11850.00	240.00	18960.00	270.00	21330.00	266.50	21053.50	200.00	15800.00	180.00	14220.00	140.00	11060.00	180.00	14220.00
613.0100	CENTERLINE MONUMENTS	18.	EACH	195.00	3510.00	300.00	5400.00	60.00	1080.00	225.00	4050.00	115.00	2070.00	273.50	4923.00	75.00	1350.00	120.00	2160.00	330.00	5940.00	175.00	3150.00
613.0150	RECONSTRUCTED CENTERLINE MONUMENT	2.	EACH	195.00	390.00	300.00	600.00	85.00	170.00	227.00	454.00	160.00	320.00	176.50	353.00	80.00	160.00	320.00	640.00	250.00	500.00	175.00	350.00
616.0010	SPRINKLER SYSTEM	L.S.	L.S.	0.00	8189.00	0.00	13800.00	0.00	6110.00	0.00	12580.00	0.00	21700.00	0.00	13975.00	0.00	4900.00	0.00	14000.00	0.00	13200.00	0.00	22000.00
616.0012	SPRINKLER SYSTEM HIGH VOLTAGE WORK	L.S.	L.S.	0.00	218.00	0.00	235.00	0.00	230.00	0.00	212.00	0.00	240.00	0.00	235.00	0.00	1650.00	0.00	1000.00	0.00	220.00	0.00	500.00
616.0014	SPRINKLER SYSTEM LOW VOLTAGE WORK	L.S.	L.S.	0.00	2149.00	0.00	6030.00	0.00	350.00	0.00	1000.00	0.00	280.00	0.00	1400.00	0.00	850.00	0.00	3000.00	0.00	500.00	0.00	300.00
617.0100	IMPORTED TOPSOIL	375.	CU YD	16.50	6187.50	28.00	10500.00	11.40	4275.00	16.40	6150.00	17.00	6375.00	28.00	10500.00	25.00	9375.00	45.00	16875.00	15.00	5625.00	20.00	7500.00
618.0100	GRASSED SURFACES	15800.	SQ FT	.50	7900.00	1.65	26070.00	.50	7900.00	1.50	23700.00	.30	4740.00	1.67	26386.00	.50	7900.00	1.70	26860.00	1.60	25280.00	.75	11850.00
619.9100	TRANSPLANTING TREES, SPATHODA CAMPANULATA (AFRICAN TULIP)	10.	EACH	340.00	3400.00	1325.00	13250.00	110.00	1100.00	1200.00	12000.00	450.00	4500.00	1335.00	13350.00	300.00	3000.00	1400.00	14000.00	1250.00	12500.00	500.00	5000.00
619.9200	TRANSPLANTING SHRUBS (CUP OF GOLD)	L.S.	L.S.	0.00	920.00	0.00	20760.00	0.00	900.00	0.00	18800.00	0.00	5560.00	0.00	20885.00	0.00	21000.00	0.00	21000.00	0.00	19750.00	0.00	2000.00
621.0200	PANEL FOR DESTINATION SIGN	470.	SQ FT	41.20	19364.00	44.00	20680.00	40.00	18800.00	40.00	18800.00	45.00	21150.00	44.45	20891.50	44.00	20680.00	40.00	18800.00	42.00	19740.00	32.00	15040.00
621.1200	GALVANIZED STEEL POST AND FOUNDATION FOR DESTINATION SIGN	6.	EACH	412.00	2472.00	440.00	2640.00	866.00	5196.00	400.00	2400.00	450.00	2700.00	445.00	2670.00	435.00	2610.00	435.00	2610.00	420.00	2520.00	1050.00	6300.00
621.1300	BREAKAWAY SIGN POST AND FOUNDATION FOR DESTINATION SIGN	18.	EACH	1597.00	28746.00	1710.00	30780.00	1065.00	19170.00	1500.00	27000.00	3140.00	56520.00	1772.00	31896.00	1000.00	18000.00	1720.00	30960.00	1600.00	28800.00	1150.00	20700.00
621.4100	REFLECTOR MARKER WITH POST	6.	EACH	80.00	480.00	85.00	510.00	124.00	744.00	78.00	468.00	88.00	528.00	87.00	522.00	85.00	510.00	85.00	510.00	80.00	480.00	35.00	210.00
621.5000	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS)	23.	EACH	111.00	2553.00	120.00	2760.00	112.00	2576.00	108.00	2484.00	120.00	2760.00	120.00	2760.00	115.00	2645.00	117.00	2691.00	110.00	2530.00	200.00	4600.00
621.5100	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS) WITH POST	89.	EACH	164.00	14596.00	180.00	16020.00	192.00	17088.00	160.00	14240.00	180.00	16020.00	178.00	15842.00	175.00	15575.00	173.00	15397.00	165.00	14685.00	250.00	22250.00

PROJECT - HAWAII BELT, FAP ROUTE 11
PALANI ROAD TO KILCHANA SUBDIVISION
FEDERAL AID PRIMARY PROJECT NO. F-011-1(14)
TYPE CODE - 1000, Y003, Y007, Y030, Y031, Y060, Y070, Y080
ISLAND - HAWAII

DATE ADVERTISED - HONOLULU ADVERTISER - SEPT. 8, 10 & 13, 1982
HAWAII TRIBUNE-HERALD - SEPT. 10 & 13, 1982
BIDS OPENED - SEPTEMBER 30, 1982
COMPLETION TIME - THREE HUNDRED (300) WORKING DAYS

				ISEMOTO CONTRACTING CO LTD		PAN-PACIFIC CONSTRUCTION INC		HAWAIIAN DREDGING & CONSTRUCTION COMPANY A DIV OF DILLINGHAM CONSTRUCTION CORP		KOGA ENGINEERING & CONSTRUCTION INC		GODFELLOW BROS INC		E E BLACK LTD		JAS W GLOVER LTD		M SONOMURA CONTRACTING CO INC		OKADA TRUCKING CO LTD		STATE OF HAWAII	
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
621.5300	REGULATORY AND WARNING SIGN, (GREATER THAN 10 SQUARE FEET), WITH POST	8.	EACH	304.00	2432.00	325.00	2600.00	340.00	2720.00	295.00	2360.00	330.00	2640.00	328.00	2624.00	320.00	2560.00	320.00	2560.00	310.00	2480.00	400.00	3200.00
621.5400	REGULATORY AND WARNING SIGN (CONSTRUCTION)	11.	EACH	62.00	682.00	65.00	715.00	51.00	561.00	60.00	660.00	118.00	1298.00	67.00	737.00	70.00	770.00	65.00	715.00	63.00	693.00	200.00	2200.00
621.5450	TEMPORARY DESTINATION AND INFORMATION SIGN WITH POSTS	2.	EACH	1586.00	3172.00	1700.00	3400.00	2050.00	4100.00	1540.00	3080.00	1731.00	3462.00	1717.00	3434.00	1650.00	3300.00	1665.00	3330.00	1600.00	3200.00	1400.00	2800.00
621.5455	TEMPORARY DESTINATION SIGN PANEL	1.	EACH	803.00	803.00	815.00	815.00	830.00	830.00	780.00	780.00	876.00	876.00	867.00	867.00	850.00	850.00	845.00	845.00	800.00	800.00	650.00	650.00
621.5500	REGULATORY AND WARNING SIGN (CONSTRUCTION) WITH POST	15.	EACH	175.00	2625.00	190.00	2850.00	200.00	3000.00	170.00	2550.00	217.00	3255.00	189.00	2835.00	185.00	2775.00	185.00	2775.00	180.00	2700.00	250.00	3750.00
621.6100	TYPE A ROUTE MARKER ASSEMBLY	9.	EACH	144.00	1296.00	150.00	1350.00	155.00	1395.00	140.00	1260.00	157.00	1413.00	156.00	1404.00	150.00	1350.00	152.00	1368.00	145.00	1305.00	460.00	4140.00
621.6200	TYPE B ROUTE MARKER ASSEMBLY	4.	EACH	304.00	1216.00	320.00	1280.00	515.00	2060.00	295.00	1180.00	332.00	1328.00	328.00	1312.00	320.00	1280.00	320.00	1280.00	310.00	1240.00	600.00	2400.00
621.7000	CONSTRUCTION SIGN	16.	EACH	155.00	2480.00	170.00	2720.00	130.00	2080.00	150.00	2400.00	118.00	1888.00	167.00	2672.00	165.00	2640.00	165.00	2640.00	155.00	2480.00	300.00	4800.00
621.7100	CONSTRUCTION SIGN WITH POST	46.	EACH	350.00	16100.00	375.00	17250.00	375.00	17250.00	340.00	15640.00	217.00	9982.00	378.00	17388.00	370.00	17020.00	370.00	17020.00	355.00	16330.00	400.00	18400.00
622.0710	RELOCATE HIGHWAY LIGHTING SYSTEM	L.S.	L.S.	0.00	5238.00	0.00	5580.00	0.00	5600.00	0.00	5085.00	0.00	5716.00	0.00	5650.00	0.00	5500.00	0.00	5500.00	0.00	5300.00	0.00	10000.00
623.2001	TRAFFIC SIGNAL CONTROLLER AND CABINET (2-8 PHASE)	1.	EACH	14181.00	14181.00	15200.00	15200.00	15150.00	15150.00	13768.00	13768.00	15500.00	15500.00	15297.00	15297.00	19265.00	19265.00	18000.00	18000.00	14450.00	14450.00	20000.00	20000.00
623.2011	TYPE I TRAFFIC SIGNAL STANDARD (DOMESTIC STEEL)	2.	EACH	432.00	864.00	465.00	930.00	460.00	920.00	419.00	838.00	471.00	942.00	466.00	932.00	480.00	960.00	460.00	920.00	440.00	880.00	800.00	1600.00
623.2012	TYPE II TRAFFIC SIGNAL STANDARD WITH 25-FOOT MAST ARM (DOMESTIC STEEL)	4.	EACH	2737.00	10948.00	2935.00	11740.00	2920.00	11680.00	2657.00	10628.00	2986.00	11944.00	2952.00	11808.00	2800.00	11200.00	2800.00	11200.00	2790.00	11160.00	2200.00	8800.00
623.2031	FOUNDATION FOR TYPE I SIGNAL STANDARD	2.	EACH	199.00	398.00	215.00	430.00	210.00	420.00	193.00	386.00	217.00	434.00	214.00	428.00	190.00	380.00	170.00	340.00	200.00	400.00	400.00	800.00
623.2041	FOUNDATION FOR TYPE II SIGNAL STANDARD	4.	EACH	573.00	2292.00	615.00	2460.00	610.00	2440.00	556.00	2224.00	625.00	2500.00	618.00	2472.00	400.00	1600.00	770.00	3080.00	580.00	2320.00	800.00	3200.00
623.2051	FOUNDATION FOR CONTROLLER CABINET	1.	EACH	195.00	195.00	210.00	210.00	210.00	210.00	189.00	189.00	212.00	212.00	210.00	210.00	935.00	935.00	415.00	415.00	200.00	200.00	500.00	500.00
623.3001	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL, PROGRAMMED VISIBILITY WITH SLIPFITTER MOUNTING)	2.	EACH	1523.00	3046.00	1635.00	3270.00	1625.00	3250.00	1497.00	2994.00	1664.00	3328.00	1643.00	3286.00	1880.00	3760.00	1800.00	3600.00	1550.00	3100.00	1000.00	2000.00
623.3031	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL WITH BRACKET MOUNTING)	2.	EACH	425.00	850.00	455.00	910.00	450.00	900.00	413.00	826.00	465.00	930.00	459.00	918.00	475.00	950.00	425.00	850.00	430.00	860.00	500.00	1000.00
623.3061	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL WITH MASTARM MOUNTING)	8.	EACH	511.00	4088.00	545.00	4360.00	550.00	4400.00	496.00	3968.00	558.00	4464.00	551.00	4408.00	500.00	4000.00	425.00	3400.00	520.00	4160.00	500.00	4000.00
623.3062	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL, PROGRAMMED VISIBILITY MASTARM MOUNTING)	2.	EACH	1534.00	3068.00	1645.00	3290.00	1640.00	3280.00	1489.00	2978.00	1775.00	3550.00	1654.00	3308.00	1850.00	3700.00	1700.00	3400.00	1560.00	3120.00	1800.00	3600.00
623.4001	PEDESTRIAN SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-VERTICAL WITH BRACKET MOUNTING)	8.	EACH	438.00	3504.00	470.00	3760.00	470.00	3760.00	425.00	3400.00	478.00	3824.00	472.00	3776.00	520.00	4160.00	525.00	4200.00	450.00	3600.00	600.00	4800.00
623.4041	PEDESTRIAN PUSHBUTTON WITH R10-4A SIGN	8.	EACH	139.00	1112.00	150.00	1200.00	150.00	1200.00	135.00	1080.00	152.00	1216.00	150.00	1200.00	100.00	800.00	135.00	1080.00	140.00	1120.00	250.00	2000.00
623.5001	FURNISH AND INSTALL ONE 2-INCH CONDUIT, (1090 LIN FT)	L.S.	L.S.	0.00	1952.00	0.00	2100.00	0.00	2100.00	0.00	1895.00	0.00	2132.00	0.00	2106.00	0.00	6350.00	0.00	22150.00	0.00	2000.00	0.00	21400.00

PROJECT - HAWAII BELT, FAP ROUTE 11
PALANI ROAD TO KILOHANA SUBDIVISION
FEDERAL AID PRIMARY PROJECT NO. F-011-1(14)
TYPE CODE - 1000, Y003, Y007, Y030, Y031, Y060, Y070, Y080
ISLAND - HAWAII

DATE ADVERTISED - HONOLULU ADVERTISER - SEPT. 8, 10 & 13, 1982
HAWAII TRIBUNE-HERALD - SEPT. 10 & 13, 1982
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				ISEMOTO CONTRACTING CO LTD		PAN-PACIFIC CONSTRUCTION INC		HAWAIIAN DREDGING & CONSTRUCTION COMPANY A DIV OF DILLINGHAM CONSTRUCTION CORP		KOGA ENGINEERING & CONSTRUCTION INC		GOODFELLOW BROS INC		E E BLACK LTD		JAS W GLOVER LTD		M SONOMURA CONTRACTING CO INC		OKADA TRUCKING CO LTD		STATE OF HAWAII	
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
623.5021	FURNISH AND INSTALL THREE 2-INCH CONDUITS, (240 LIN FT)	L.S.	L.S.	0.00	1671.00	0.00	1790.00	0.00	1800.00	0.00	1622.00	0.00	1824.00	0.00	1802.00	0.00	2250.00	0.00	8200.00	0.00	1700.00	0.00	9600.00
623.5024	FURNISH AND INSTALL SIX 2-INCH CONDUITS, (95 LIN FT)	L.S.	L.S.	0.00	1134.00	0.00	1210.00	0.00	1200.00	0.00	1101.00	0.00	1238.00	0.00	1224.00	0.00	1950.00	0.00	3200.00	0.00	1150.00	0.00	3800.00
623.5025	FURNISH AND INSTALL SEVEN 2-INCH CONDUITS, (10 LIN FT)	L.S.	L.S.	0.00	127.00	0.00	135.00	0.00	140.00	0.00	123.00	0.00	139.00	0.00	137.00	0.00	340.00	0.00	1025.00	0.00	130.00	0.00	500.00
623.6001	TYPE A PULLBOX	2.	EACH	418.00	836.00	450.00	900.00	450.00	900.00	406.00	812.00	457.00	914.00	451.00	902.00	800.00	1600.00	390.00	780.00	425.00	850.00	400.00	800.00
623.6011	TYPE B PULLBOX	12.	EACH	320.00	3840.00	340.00	4080.00	350.00	4200.00	311.00	3732.00	350.00	4200.00	346.00	4152.00	520.00	6240.00	345.00	4140.00	325.00	3900.00	300.00	3600.00
623.7001	NO. 14, 33-CONDUCTOR TRAFFIC CONTROL CABLE (550 LIN FT)	L.S.	L.S.	0.00	3087.00	0.00	3300.00	0.00	3300.00	0.00	2997.00	0.00	3372.00	0.00	3330.00	0.00	6250.00	0.00	5100.00	0.00	3150.00	0.00	2750.00
623.7002	NO. 14, 2-CONDUCTOR LOOP DETECTOR LEAD-IN OR PEDESTRIAN PUSHBUTTON CABLE (3850 LIN FT)	L.S.	L.S.	0.00	3821.00	0.00	4100.00	0.00	4100.00	0.00	3710.00	0.00	4173.00	0.00	4122.00	0.00	4950.00	0.00	2700.00	0.00	3900.00	0.00	3080.00
623.7003	NO. 6, 3-CONDUCTOR POWER CABLE (470 LIN FT)	L.S.	L.S.	0.00	2124.00	0.00	2280.00	0.00	2270.00	0.00	2062.00	0.00	2319.00	0.00	2291.00	0.00	3150.00	0.00	700.00	0.00	2165.00	0.00	1000.00
623.7051	LOOP DETECTOR SENSING UNIT (8 FT X 6 FT) ONE LCCP	4.	EACH	327.00	1308.00	350.00	1400.00	350.00	1400.00	317.00	1268.00	357.00	1428.00	352.00	1408.00	720.00	2880.00	425.00	1700.00	330.00	1320.00	400.00	1600.00
623.7071	LOOP DETECTOR SENSING UNIT (8 FT X 6 FT) SIX LCCPS	4.	EACH	2024.00	8096.00	2170.00	8680.00	2160.00	8640.00	1965.00	7860.00	2210.00	8840.00	2183.00	8732.00	2820.00	11280.00	2200.00	8800.00	2065.00	8260.00	2000.00	8000.00
623.9001	METER SOCKET, BREAKER (50 AMPS), AND ELECTRICAL SERVICECHARGE (ONE EACH)	L.S.	L.S.	0.00	328.00	0.00	330.00	0.00	350.00	0.00	318.00	0.00	358.00	0.00	353.00	0.00	970.00	0.00	950.00	0.00	330.00	0.00	500.00
623.9002	FIRE PREEMPTION CABLE TIE-IN	L.S.	L.S.	0.00	54.00	0.00	60.00	0.00	60.00	0.00	52.00	0.00	58.00	0.00	58.00	0.00	105.00	0.00	850.00	0.00	55.00	0.00	100.00
624.1179	FURNISHING AND INSTALLING 2-1/2 INCH GATE VALVE (CLASS 200)	1.	EACH	132.00	132.00	175.00	175.00	155.00	155.00	108.00	108.00	90.00	90.00	232.50	232.50	130.00	130.00	165.00	165.00	300.00	300.00	175.00	175.00
624.1182	FURNISHING AND INSTALLING 8-INCH GATE VALVE (CLASS 200)	1.	EACH	472.00	472.00	575.00	575.00	635.00	635.00	444.00	444.00	379.00	379.00	650.00	650.00	425.00	425.00	695.00	695.00	675.00	675.00	450.00	450.00
624.1183	FURNISHING AND INSTALLING 12-INCH GATE VALVE (CLASS 200)	1.	EACH	868.00	868.00	990.00	990.00	1260.00	1260.00	867.00	867.00	739.00	739.00	2305.00	2305.00	950.00	950.00	1375.00	1375.00	1150.00	1150.00	550.00	550.00
624.1268	FURNISHING AND INSTALLING 20-INCH BUTTERFLY VALV (CLASS 250)	1.	EACH	2777.00	2777.00	2980.00	2980.00	3890.00	3890.00	6576.00	6576.00	2552.00	2552.00	1100.00	1100.00	3000.00	3000.00	3700.00	3700.00	3200.00	3200.00	5500.00	5500.00
624.1274	FURNISHING AND INSTALLING 1-INCH AIR RELIEF VALV AND ALL APPURTENANCES	1.	EACH	449.00	449.00	685.00	685.00	750.00	750.00	522.00	522.00	576.00	576.00	481.00	481.00	350.00	350.00	705.00	705.00	1075.00	1075.00	800.00	800.00
624.1279	FURNISHING AND INSTALLING 2-INCH AIR RELIEF VALV AND ALL APPURTENANCES	2.	EACH	718.50	1437.00	890.00	1780.00	1100.00	2200.00	843.00	1686.00	767.00	1534.00	535.00	1070.00	700.00	1400.00	1060.00	2120.00	1225.00	2450.00	1500.00	3000.00
624.1845	FURNISHING AND INSTALLING 1-INCH SINGLE SERVICE LATERAL AND ALL APPURTENANCES	2.	EACH	799.00	1598.00	900.00	1800.00	625.00	1250.00	480.00	960.00	1500.00	3000.00	985.00	1970.00	200.00	400.00	470.00	940.00	360.00	720.00	600.00	1200.00
624.1865	FURNISHING AND INSTALLING 1-INCH TYPE A SERVICE LATERAL AND ALL APPURTENANCES	1.	EACH	799.00	799.00	900.00	900.00	472.00	472.00	480.00	480.00	1585.00	1585.00	988.00	988.00	185.00	185.00	450.00	450.00	360.00	360.00	600.00	600.00

PROJECT - HAWAII BELT, FAP ROUTE 11 PALANI ROAD TO KILOHANA SUBDIVISION FEDERAL AID PRIMARY PROJECT NO. F-011-1(14) TYPE CODE - 1000, Y003, Y007, Y030, Y031, Y060, Y070, Y080 ISLAND - HAWAII				DATE ADVERTISED - HONOLULU ADVERTISER - SEPT. 8, 10 & 13, 1982 HAWAII TRIBUNE-HERALD - SEPT. 10 & 13, 1982 BIDS OPENED - SEPTEMBER 30, 1982 COMPLETION TIME - THREE HUNDRED (300) WORKING DAYS																			
				ISEMOTO CONTRACTING CO LTD		PAN-PACIFIC CONSTRUCTION INC		HAWAIIAN DREDGING & CONSTRUCTION COMPANY A DIV OF DILLINGHAM CONSTRUCTION CORP		KOGA ENGINEERING & CONSTRUCTION INC		GOODFELLOW BROS INC		E E BLACK LTD		JAS W GLOVER LTD		M SCHOMURA CONTRACTING CO INC		UKADA TRUCKING CO LTD		STATE OF HAWAII	
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
624.9010	FURNISHING AND INSTALLING 4-INCH DUCTILE IRON PIPE (CLASS 52)	180.	LIN FT	10.00	1800.00	13.00	2340.00	16.75	3015.00	23.50	4230.00	17.00	3060.00	10.75	1935.00	15.00	2700.00	27.00	4860.00	10.10	1818.00	20.00	3600.00
624.9015	FURNISHING AND INSTALLING 8-INCH DUCTILE IRON PIPE (CLASS 52)	1512.	LIN FT	18.50	27972.00	17.00	25704.00	18.50	27972.00	18.50	27972.00	20.00	30240.00	17.00	25704.00	16.00	24192.00	27.00	40824.00	15.00	22680.00	28.00	42336.00
624.9020	FURNISHING AND INSTALLING 12-INCH DUCTILE IRON PIPE (CLASS 52)	1260.	LIN FT	27.00	34020.00	24.00	30240.00	25.00	31500.00	27.00	34020.00	26.00	32760.00	25.50	32130.00	24.00	30240.00	40.00	50400.00	21.50	27090.00	30.00	37800.00
624.9025	FURNISHING AND INSTALLING 20-INCH DUCTILE IRON PIPE (CLASS 52)	1404.	LIN FT	47.50	66690.00	41.00	57564.00	46.50	65286.00	45.50	63882.00	44.00	61776.00	38.60	54194.40	40.00	56160.00	65.00	91260.00	38.00	53352.00	45.00	63180.00
624.9030	FURNISHING AND INSTALLING 4-INCH CAST IRON 1/16 BEND, MECHANICAL JOINT	3.	EACH	111.00	333.00	125.00	375.00	75.00	225.00	64.00	192.00	54.00	162.00	120.00	360.00	80.00	240.00	120.00	360.00	140.00	420.00	125.00	375.00
624.9031	FURNISHING AND INSTALLING 4-INCH CAST IRON 1/32 BEND, MECHANICAL JOINT	1.	EACH	111.00	111.00	125.00	125.00	75.00	75.00	64.00	64.00	53.00	53.00	120.00	120.00	80.00	80.00	120.00	120.00	140.00	140.00	125.00	125.00
624.9032	FURNISHING AND INSTALLING 4-INCH CAST IRON PLUG, MECHANICAL JOINT	1.	EACH	80.00	80.00	80.00	80.00	19.00	19.00	15.00	15.00	13.00	13.00	90.00	90.00	50.00	50.00	95.00	95.00	55.00	55.00	225.00	225.00
624.9033	FURNISHING AND INSTALLING 4-INCH SOLID BODY SLEEVE WITH RETAINER GLANDS	2.	EACH	126.50	253.00	145.00	290.00	105.00	210.00	103.00	206.00	75.00	150.00	121.00	242.00	100.00	200.00	270.00	540.00	180.00	360.00	100.00	200.00
624.9040	FURNISHING AND INSTALLING 2-1/2 INCH GALVANIZED IRON 1/8 BEND	2.	EACH	28.50	57.00	30.00	60.00	14.00	28.00	13.50	27.00	11.00	22.00	45.00	90.00	20.00	40.00	45.00	90.00	65.00	130.00	100.00	200.00
624.9041	FURNISHING AND INSTALLING 2-1/2 INCH UNION	1.	EACH	37.00	37.00	50.00	50.00	19.00	19.00	21.00	21.00	13.00	13.00	65.00	65.00	35.00	35.00	75.00	75.00	35.00	35.00	40.00	40.00
624.9050	FURNISHING AND INSTALLING 8-INCH CAST IRON TEE, MECHANICAL JOINT	1.	EACH	218.00	218.00	320.00	320.00	220.00	220.00	185.00	185.00	156.00	156.00	240.00	240.00	225.00	225.00	360.00	360.00	310.00	310.00	1500.00	1500.00
624.9051	FURNISHING AND INSTALLING 8-INCH CAST IRON 1/8 BEND, MECHANICAL JOINT	1.	EACH	155.00	155.00	210.00	210.00	135.00	135.00	114.00	114.00	95.00	95.00	170.00	170.00	150.00	150.00	280.00	280.00	220.00	220.00	150.00	150.00
624.9052	FURNISHING AND INSTALLING 8-INCH CAST IRON 1/16 BEND, MECHANICAL JOINT	5.	EACH	155.00	775.00	210.00	1050.00	135.00	675.00	114.00	570.00	95.00	475.00	170.00	850.00	150.00	750.00	280.00	1400.00	220.00	1100.00	150.00	750.00
624.9053	FURNISHING AND INSTALLING 8-INCH CAST IRON 1/32 BEND, MECHANICAL JOINT	8.	EACH	155.00	1240.00	210.00	1680.00	135.00	1080.00	114.00	912.00	95.00	760.00	170.00	1360.00	150.00	1200.00	280.00	2240.00	220.00	1760.00	150.00	1200.00
624.9054	FURNISHING AND INSTALLING 8-INCH PLUG, MECHANICAL JOINT	1.	EACH	95.00	95.00	100.00	100.00	40.00	40.00	35.00	35.00	30.00	30.00	78.00	78.00	75.00	75.00	115.00	115.00	90.00	90.00	450.00	450.00
624.9055	FURNISHING AND INSTALLING 8-INCH SOLID BODY SLEEVE WITH RETAINER GLANDS	3.	EACH	174.00	522.00	230.00	690.00	170.00	510.00	142.00	426.00	121.00	363.00	167.00	501.00	175.00	525.00	360.00	1080.00	265.00	795.00	175.00	525.00
624.9056	FURNISHING AND INSTALLING 8-INCH CAP, MECHANICAL JOINT, TAPPED FOR 2-1/2 INCH PIPE THREAD	1.	EACH	109.00	109.00	130.00	130.00	80.00	80.00	59.00	59.00	60.00	60.00	97.00	97.00	85.00	85.00	250.00	250.00	105.00	105.00	200.00	200.00
624.9057	FURNISHING AND INSTALLING 8-INCH CAST IRON CAP, MECHANICAL JOINT	1.	EACH	92.00	92.00	110.00	110.00	60.00	60.00	41.00	41.00	41.00	41.00	80.00	80.00	75.00	75.00	205.00	205.00	100.00	100.00	200.00	200.00
624.9058	FURNISHING AND INSTALLING 8-INCH NIPPLE, MECHANICAL JOINT	1.	EACH	69.00	69.00	100.00	100.00	230.00	230.00	110.00	110.00	100.00	100.00	137.00	137.00	100.00	100.00	80.00	80.00	205.00	205.00	100.00	100.00

PROJECT - HAWAII BELT, FAP ROUTE 11
PALANI ROAD TO KILCHANA SUBDIVISION
FEDERAL AID PRIMARY PROJECT NO. F-011-1(14)
TYPE CODE - I000, Y003, Y007, Y030, Y031, Y060, Y070, Y080
ISLAND - HAWAII

DATE ADVERTISED - HONOLULU ADVERTISER - SEPT. 8, 10 & 13, 1982
HAWAII TRIBUNE-HERALD - SEPT. 10 & 13, 1982
BIDS OPENED - SEPTEMBER 30, 1982
COMPLETION TIME - THREE HUNDRED (300) WORKING DAYS

				ISEMOTO CONTRACTING CO LTD		PAN-PACIFIC CONSTRUCTION INC		HAWAIIAN DREDGING & CONSTRUCTION COMPANY A DIV OF DILLINGHAM CONSTRUCTION CORP		KOGA ENGINEERING & CONSTRUCTION INC		GCCDFELLOW BROS INC		E E BLACK LTD		JAS W GLOVER LTD		M SANCHEZ CONTRACTING CO INC		OKADA TRUCKING CO LTD		STATE OF HAWAII	
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
624.9059	FURNISHING AND INSTALLING 8-INCH SOLID BODY SLEEVE, MECHANICAL JOINT	3.	EACH	138.00	414.00	190.00	570.00	115.00	345.00	95.00	285.00	90.00	270.00	200.00	600.00	135.00	405.00	355.00	1065.00	205.00	615.00	175.00	525.00
624.9060	FURNISHING AND INSTALLING 12-INCH CAST IRON 1/4 BEND, MECHANICAL JOINT	3.	EACH	270.00	810.00	320.00	960.00	280.00	840.00	234.00	702.00	200.00	600.00	275.00	825.00	275.00	825.00	885.00	2655.00	365.00	1095.00	175.00	525.00
624.9061	FURNISHING AND INSTALLING 12-INCH CAST IRON 1/16 BEND, MECHANICAL JOINT	4.	EACH	247.25	989.00	290.00	1160.00	245.00	980.00	206.00	824.00	175.00	700.00	250.00	1000.00	275.00	1100.00	515.00	2060.00	340.00	1360.00	175.00	700.00
624.9062	FURNISHING AND INSTALLING 12-INCH CAST IRON 1/32 BEND, MECHANICAL JOINT	6.	EACH	247.00	1482.00	290.00	1740.00	245.00	1470.00	206.00	1236.00	175.00	1050.00	250.00	1500.00	275.00	1650.00	790.00	4740.00	340.00	2040.00	175.00	1050.00
624.9063	FURNISHING AND INSTALLING 12-INCH X 8-INCH REDUCER	1.	EACH	213.00	213.00	260.00	260.00	200.00	200.00	163.00	163.00	142.00	142.00	215.00	215.00	235.00	235.00	1260.00	1260.00	280.00	280.00	175.00	175.00
624.9064	FURNISHING AND INSTALLING 12-INCH SOLID BODY SLEEVE, MECHANICAL JOINT	1.	EACH	193.00	193.00	240.00	240.00	180.00	180.00	150.00	150.00	130.00	130.00	215.00	215.00	200.00	200.00	630.00	630.00	285.00	285.00	175.00	175.00
624.9070	FURNISHING AND INSTALLING 20-INCH CAST IRON 1/4 BEND, MECHANICAL JOINT	2.	EACH	845.00	1690.00	940.00	1880.00	1000.00	2000.00	843.00	1686.00	720.00	1440.00	850.00	1700.00	950.00	1900.00	1660.00	3320.00	1050.00	2100.00	450.00	900.00
624.9071	FURNISHING AND INSTALLING 20-INCH CAST IRON 1/16 BEND, MECHANICAL JOINT	4.	EACH	701.50	2806.00	790.00	3160.00	805.00	3220.00	681.00	2724.00	580.00	2320.00	710.00	2840.00	900.00	3600.00	1260.00	5040.00	900.00	3600.00	450.00	1800.00
624.9072	FURNISHING AND INSTALLING 20-INCH CAST IRON 1/32 BEND, MECHANICAL JOINT	4.	EACH	701.50	2806.00	790.00	3160.00	805.00	3220.00	681.00	2724.00	580.00	2320.00	710.00	2840.00	900.00	3600.00	1370.00	5480.00	900.00	3600.00	450.00	1800.00
624.9073	FURNISHING AND INSTALLING 20-INCH CAST IRON TEE, MECHANICAL JOINT	2.	EACH	1282.00	2564.00	1370.00	2740.00	1540.00	3080.00	1297.00	2594.00	1105.00	2210.00	1275.00	2550.00	1500.00	3000.00	2560.00	5120.00	1570.00	3140.00	3060.00	6120.00
624.9074	FURNISHING AND INSTALLING 20-INCH CAP, MECHANICAL JOINT	2.	EACH	396.50	793.00	500.00	1000.00	392.50	785.00	330.00	660.00	282.00	564.00	350.00	700.00	425.00	850.00	685.00	1370.00	430.00	860.00	750.00	1500.00
624.9075	FURNISHING AND INSTALLING 20-INCH NIPPLE	2.	EACH	299.00	598.00	300.00	600.00	93.50	187.00	565.00	1130.00	112.00	224.00	272.00	544.00	240.00	480.00	160.00	320.00	675.00	1350.00	150.00	300.00
624.9076	FURNISHING AND INSTALLING 20-INCH SOLID BODY SLEEVE, MECHANICAL JOINT	3.	EACH	586.00	1758.00	650.00	1950.00	624.00	1872.00	525.00	1575.00	450.00	1350.00	425.00	1275.00	250.00	750.00	1120.00	3360.00	705.00	2115.00	750.00	2250.00
624.9100	REMOVING, CLEANING AND STOCKPILING 12-INCH DUCTILE IRON PIPE	750.	LIN FT	7.50	5625.00	10.00	7500.00	16.08	12060.00	11.60	8700.00	10.00	7500.00	5.25	3937.50	6.50	4875.00	15.00	11250.00	10.00	7500.00	15.00	11250.00
624.9101	REMOVING, CLEANING AND STOCKPILING 20-INCH DUCTILE IRON PIPE	760.	LIN FT	11.55	8778.00	15.00	11400.00	21.60	16416.00	11.00	8360.00	10.00	7600.00	7.50	5700.00	7.00	5320.00	20.00	15200.00	20.00	15200.00	20.00	15200.00
624.9102	REMOVING, CLEANING AND STOCKPILING 12-INCH GATE VALVE	2.	EACH	57.50	115.00	100.00	200.00	90.50	181.00	252.00	504.00	85.00	170.00	190.00	380.00	85.00	170.00	250.00	500.00	610.00	1220.00	200.00	400.00
624.9103	REMOVING, CLEANING AND STOCKPILING 20-INCH 1/4 BEND	1.	EACH	57.00	57.00	200.00	200.00	44.00	44.00	252.00	252.00	340.00	340.00	340.00	340.00	100.00	100.00	100.00	100.00	320.00	320.00	200.00	200.00
624.9110	REMOVING AND CLEANING 2-1/4 INCH CAST IRON PIPE	375.	LIN FT	3.40	1275.00	7.00	2625.00	11.00	4125.00	5.00	1875.00	5.00	1875.00	3.00	1125.00	2.50	937.50	10.00	3750.00	3.80	1425.00	8.00	3000.00
624.9120	REMOVING AND STOCKPILING 5/8-INCH WATER METER, BOX AND COVER	5.	EACH	23.00	115.00	50.00	250.00	325.00	1625.00	36.00	180.00	140.00	700.00	80.00	400.00	25.00	125.00	75.00	375.00	195.00	975.00	100.00	500.00

PROJECT - HAWAII BELT, FAP ROUTE 11
PALANI ROAD TO KILOHANA SUBDIVISION
FEDERAL AID PRIMARY PROJECT NO. F-011-1(14)
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ISLAND - HAWAII

DATE ADVERTISED - HONOLULU ADVERTISER - SEPT. 8, 10 & 13, 1982
HAWAII TRIBUNE-HERALD - SEPT. 10 & 13, 1982
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TYPE CODE - 1000, Y003, Y007, Y030, Y031, Y060, Y070, Y080 ISLAND - HAWAII																								
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PROJECT - HAWAII BELT, FAP ROUTE 11 PALANI ROAD TO KILOHANA SUBDIVISION FEDERAL AID PRIMARY PROJECT NO. F-011-1(14) TYPE CODE - I000, Y003, Y007, Y030, Y031, Y060, Y070, Y080 ISLAND - HAWAII				DATE ADVERTISED - HONOLULU ADVERTISER - SEPT. 8, 10 & 13, 1982 HAWAII TRIBUNE-HERALD - SEPT. 10 & 13, 1982 BIDS OPENED - SEPTEMBER 30, 1982 COMPLETION TIME - THREE HUNDRED (300) WORKING DAYS																			
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630.1260	INSTALLING TWO 5-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	38.	LIN FT	20.50	779.00	22.00	836.00	22.00	836.00	20.00	760.00	22.00	836.00	22.00	836.00	43.50	1653.00	14.50	551.00	20.50	779.00	20.00	760.00
630.1265	INSTALLING THREE 5-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	52.	LIN FT	19.50	1014.00	21.00	1092.00	21.00	1092.00	19.00	988.00	22.00	1144.00	21.00	1092.00	49.00	2548.00	20.00	1040.00	20.00	1040.00	22.00	1144.00
630.2203	INSTALLING THREE 2-INCH PLASTIC DUCTS IN REINFORCED CONCRETE JACKET	270.	LIN FT	13.50	3645.00	14.00	3780.00	14.00	3780.00	13.00	3510.00	14.00	3780.00	14.20	3834.00	16.40	4428.00	18.50	4995.00	13.50	3645.00	25.00	6750.00
630.2224	INSTALLING FOUR 3-INCH PLASTIC DUCTS IN REINFORCED CONCRETE JACKET	175.	LIN FT	19.00	3325.00	20.40	3570.00	20.00	3500.00	18.40	3220.00	21.00	3675.00	20.50	3587.50	24.00	4200.00	24.50	4287.50	19.00	3325.00	28.00	4900.00
636.0100	FIELD OFFICE (NOT TO EXCEED \$10,000)	L.S.	L.S.	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
636.1100	PROJECT SITE LABORATORY (NOT TO EXCEED \$6,000.00)	L.S.	L.S.	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	6000.00
639.0100	TEMPORARY PROJECT WATER POLLUTION CONTRL	F.A.	F.A.	0.00	1000.00	0.00	1000.00	0.00	1000.00	0.00	1000.00	0.00	1000.00	0.00	1000.00	0.00	1000.00	0.00	1000.00	0.00	1000.00	0.00	1000.00
644.1000	TRAFFIC DELINEATORS	76.	EACH	25.50	1938.00	30.00	2280.00	32.50	2470.00	21.00	1596.00	24.00	1824.00	24.50	1862.00	55.00	4180.00	30.00	2280.00	20.00	1520.00	40.00	3040.00
650.1000	WHEELCHAIR RAMP, TYPE A	6.	EACH	400.00	2400.00	485.00	2910.00	110.00	660.00	123.00	738.00	170.00	1020.00	85.00	510.00	650.00	3900.00	500.00	3000.00	340.00	2040.00	200.00	1200.00
650.4000	WHEELCHAIR RAMP, TYPE D	2.	EACH	475.00	950.00	485.00	970.00	160.00	320.00	244.00	488.00	170.00	340.00	205.00	410.00	500.00	1000.00	600.00	1200.00	340.00	680.00	200.00	400.00
650.5000	WHEELCHAIR RAMP, TYPE E	2.	EACH	350.00	700.00	485.00	970.00	90.00	180.00	209.00	418.00	170.00	340.00	125.00	250.00	400.00	800.00	560.00	1120.00	175.00	350.00	200.00	400.00
660.0100	DRY RUBBLE MASONRY	14965.	LIN FT	27.00	404055.00	33.80	505817.00	20.00	299300.00	30.00	448950.00	32.00	478880.00	32.25	482621.25	20.00	299300.00	24.00	359160.00	35.00	523775.00	10.00	149650.00
671.0000	CATTLE LOADING CHUTE	1.	EACH	2566.00	2566.00	3150.00	3150.00	3400.00	3400.00	2210.00	2210.00	700.00	700.00	2650.00	2650.00	3100.00	3100.00	3000.00	3000.00	3150.00	3150.00	1300.00	1300.00
698.1000	TRAINING (4 TRAINEES)	4000.	HOOR	.80	3200.00	.80	3200.00	.80	3200.00	.80	3200.00	.80	3200.00	.80	3200.00	.80	3200.00	.80	3200.00	.80	3200.00	.80	3200.00
699.1000	MOBILIZATION (NOT TO EXCEED 6 PER CENT OF THE SUM OF ALL ITEMS EXCLUDING THIS ITEM)	L.S.	L.S.	0.00	136008.00	0.00	400000.00	0.00	423351.00	0.00	240000.00	0.00	480000.00	0.00	490000.00	0.00	537000.00	0.00	380000.00	0.00	594500.00	0.00	438900.00
SUM OF ALL ITEMS					7200750.16		7260902.35		7575000.00		8358179.00		8561845.90		8745892.00		9642829.30		9795582.25		10675125.60		7827677.95
No bids using Foreign Steel submitted.																							
▲ Reduced by State to be within 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.																							
Ray M. McKinnis 10-4-82 Design Engineer Date																							