

PROJECT - HONOKAA-WAIPIO ROAD CAMP 106 TO WAIPIO LOOKOUT
PROJECT NO. - 240A-01-71, UNIT II
ISLAND - HAWAII

DATE ADVERTISED - HONOLULU ADVERTISER - MARCH 14, 16, & 20, 1978
HAWAII TRIBUNE HERALD - MARCH 16 & 20, 1978
BID OPENED - APRIL 6, 1978
COMPLETION TIME - ONE HUNDRED FORTY (140) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	YAMADA AND SONS, INC.		JAS W. GLOVER, LTD.		STATE OF HAWAII	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
203.0100	ROADWAY EXCAVATION	34620.	CU YD	2.30	79626.00	2.10	72702.00	3.50	121170.00
203.0210	IMPORTED BORROW	29000.	CU YD	1.50	43500.00	6.50	188500.00	2.40	69600.00
206.2020	STRUCTURE EXCAVATION FOR DRAINAGE SYSTEM	650.	CU YD	9.00	5850.00	20.00	13000.00	15.00	9750.00
206.2040	STRUCTURE EXCAVATION FOR WATER SYSTEM	25.	CU YD	15.00	375.00	35.00	875.00	20.00	500.00
206.6000	STRUCTURE EXCAVATION FOR BRIDGES	1384.	CU YD	35.50	49132.00	13.00	17992.00	20.00	27680.00
206.7100	STRUCTURE BACKFILL FOR STRUCTURAL PLATE CULVERTS	170.	CU YD	22.00	3740.00	20.00	3400.00	20.00	3400.00
206.7200	STRUCTURE BACKFILL FOR BRIDGE ABUTMENTS, WINGWALLS, AND RETAINING WALLS	970.	CU YD	24.50	23765.00	4.50	4365.00	10.00	9700.00
206.8200	FILTER MATERIAL FOR STRUCTURES	74.	CU YD	30.00	2220.00	25.00	1850.00	23.00	1702.00
304.1110	AGGREGATE BASE	2270.	CU YD	11.65	26445.50	12.00	27240.00	15.00	34050.00
305.1110	AGGREGATE SUBBASE	7620.	CU YD	9.75	74295.00	12.00	91440.00	12.00	91440.00
401.0500	ASPHALT CONCRETE PAVEMENT, MIX NO. V	1870.	TON	27.00	50490.00	27.50	51425.00	35.00	65450.00
408.0100	MC-30 LIQUID ASPHALT FOR PRIME COAT	4360.	GAL	.65	2834.00	.60	2616.00	.80	3488.00
411.1109	8-INCH REINFORCED CONCRETE PAVEMENT	45.	CU YD	175.00	7875.00	145.00	6525.00	150.00	6750.00
503.1090	CONCRETE IN WAIULILI STREAM BRIDGE	L.S.	L.S.	0.00	148000.00	0.00	185000.00	0.00	71400.00
503.1091	CONCRETE IN FOOTINGS FOR WAIULILI STREAM BRIDGE	L.S.	L.S.	0.00	32000.00	0.00	26500.00	0.00	20100.00
503.2020	CLASS B CONCRETE FOR DRAINAGE SYSTEM	5.	CU YD	150.00	750.00	450.00	2250.00	150.00	750.00
504.4100	TYPE IV PRESTRESSED CONCRETE GIRDERS	L.S.	L.S.	0.00	109000.00	0.00	130000.00	0.00	71050.00
507.1000	METAL BRIDGE RAILING - ONE RAIL ON PARAPET	267.	LIN FT	18.00	4806.00	18.00	4806.00	20.00	5340.00
507.7000	CONCRETE BRIDGE PARAPET, INCLUDING END POST	307.	LIN FT	72.85	22364.95	64.00	19648.00	35.00	10745.00
508.0100	CEMENT RUBBLE MASONRY	170.	CU YD	110.00	18700.00	150.00	25500.00	150.00	25500.00
602.0090	REINFORCING STEEL IN WAIULILI STREAM BRIDGE	L.S.	L.S.	0.00	37950.00	0.00	40000.00	0.00	41000.00
602.1020	REINFORCING STEEL FOR DRAINAGE SYSTEM	100.	LB	1.00	100.00	.65	65.00	1.25	125.00
603.0010	BED COURSE MATERIAL FOR CULVERT	60.	CU YD	25.00	1500.00	25.00	1500.00	25.00	1500.00
603.3054	72-INCH STRUCTURAL PLATE PIPE NO. 10 GAGE	158.	LIN FT	145.00	22910.00	145.00	22910.00	110.00	17380.00
603.6002	42-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR								
603.7200	42-INCH REINFORCED CONCRETE PIPE, CLASS III OR 24-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.079 INCH OR	86.	LIN FT	62.00	5332.00	62.00	5332.00	60.00	5160.00
603.7320	24-INCH REINFORCED CONCRETE PIPE, CLASS III OR 24-INCH ASBESTOS CEMENT PIPE, CLASS III OR 30-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.079 INCH OR	168.	LIN FT	32.00	5376.00	30.00	5040.00	32.00	5376.00
	30-INCH REINFORCED CONCRETE PIPE, CLASS III OR 30-INCH ASBESTOS CEMENT PIPE, CLASS III	76.	LIN FT	40.00	3040.00	40.00	3040.00	40.00	3040.00

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ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
603.7440	36-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR 36-INCH REINFORCED CONCRETE PIPE, CLASS III OR 36-INCH ASBESTOS CEMENT PIPE, CLASS III	156.	LIN FT	47.50	7410.00	52.00	8112.00	45.00	7020.00
604.2430	TYPE C CAST IRON FRAME AND GRATE	2.	EACH	500.00	1000.00	200.00	400.00	600.00	1200.00
606.3110	GUARD RAIL, TYPE 3 - SINGLE WITH STEEL POST	2645.	LIN FT	15.00	39675.00	13.50	35707.50	15.00	39675.00
608.1301	REINFORCED CONCRETE SIDEWALK STEPS WITH HAND RAILS	5.	SQ YD	720.00	3600.00	150.00	750.00	200.00	1000.00
610.0400	4-INCH REINFORCED CONCRETE DRIVEWAYS	42.	SQ YD	43.50	1827.00	20.00	840.00	25.00	1050.00
612.0100	GROUTED RUBBLE PAVING	103.	CU YD	122.00	12566.00	150.00	15450.00	100.00	10300.00
613.0100	CENTERLINE MONUMENTS	6.	EACH	50.00	300.00	60.00	360.00	75.00	450.00
621.0200	PANEL FOR DESTINATION SIGN	40.	SQ FT	55.50	2220.00	45.00	1800.00	25.00	1000.00
621.1200	GALVANIZED STEEL POST AND FOUNDATION FOR DESTINATION SIGN	2.	EACH	1030.00	2060.00	750.00	1500.00	300.00	600.00
621.4100	REFLECTOR MARKER WITH POST	18.	EACH	24.00	432.00	19.00	342.00	25.00	450.00
621.5000	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS)	1.	EACH	310.00	310.00	250.00	250.00	100.00	100.00
621.5100	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS) WITH POST	9.	EACH	255.00	2295.00	200.00	1800.00	200.00	1800.00
621.5300	REGULATORY AND WARNING SIGN (GREATER THAN 10 SQUARE FEET) WITH POST	3.	EACH	320.00	960.00	250.00	750.00	300.00	900.00
621.7601	RELOCATING MILE POST	1.	EACH	260.00	260.00	200.00	200.00	50.00	50.00
624.2902	RELOCATING EXISTING 4-INCH GALVANIZED IRON PIPE	70.	LIN FT	10.00	700.00	4.00	280.00	30.00	2100.00
624.2903	RELOCATING EXISTING 2-INCH DRAIN LINE	22.	LIN FT	5.00	110.00	8.50	187.00	20.00	440.00
624.2904	RELOCATING EXISTING 3/4-INCH WATERLINE	220.	LIN FT	5.00	1100.00	3.00	660.00	10.00	2200.00
626.0301	TYPE III BARRICADES WITH SIGNS	1.	EACH	575.00	575.00	400.00	400.00	500.00	500.00
629.2040	TYPE D PAVEMENT MARKERS	98.	EACH	6.40	627.20	5.00	490.00	4.00	392.00
629.2070	TYPE H PAVEMENT MARKERS	28.	EACH	8.00	224.00	6.00	168.00	4.00	112.00
629.2080	TYPE J PAVEMENT MARKERS	340.	EACH	2.60	884.00	2.00	680.00	2.00	680.00
634.0100	EXPLORATORY WORK AT STRUCTURE FOOTINGS	F.A.	F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00
636.0101	FIELD OFFICE (NOT TO EXCEED \$12,000)	L.S.	L.S.	0.00	5000.00	0.00	12000.00	0.00	12000.00
636.1001	PROJECT SITE LABORATORY (NOT TO EXCEED \$6,000)	L.S.	L.S.	0.00	3000.00	0.00	6000.00	0.00	6000.00
639.0100	TEMPORARY PROJECT WATER POLLUTION CONTROL	F.A.	F.A.	0.00	5000.00	0.00	5000.00	0.00	5000.00
653.0100	SLOPE CONTROL PLANTING	120000.	SQ FT	.15	18000.00	.35	42000.00	.25	30000.00
699.1000	MOBILIZATION (NOT TO EXCEED 6 PER CENT OF THE SUM OF ALL ITEMS EXCLUDING THIS ITEM)	L.S.	L.S.	0.00	49550.00	0.00	35000.00	0.00	45000.00

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