

BID TABULATION PROPOSAL SCHEDULE C
PROJECT - HONOKAA-WAIPIO ROAD
PROJECT NOS. S-0240(3) UNIT 2, S-0240(1) AND 240A-01-67

DATE ADVERTISED - HON. STAR BULLETIN-MAY 22,25,27,29 & JUNE 1, 1970
HAWAII TRIBUNE HERALD - MAY 25 & 27, 1970
BIDS OPENED - JUNE 12, 1970
COMPLETION TIME - TWO HUNDRED NINETY (290) WORKING DAYS

ISLAND HAWAII

				YAMADA AND SONS, INC.		JAS. W. GLOVER, LTD.		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
202.30	REMOVAL OF EXISTING BOX CULVERT AT STA 198+60		L.S.	0.00	3500.00	0.00	1000.00	0.00	1500.00
202.40	REMOVAL OF EXISTING BOX CULVERT AT STA 245+15		L.S.	0.00	5000.00	0.00	1000.00	0.00	1650.00
202.60	DEMOLITION AND REMOVAL OF CERTAIN BUILDINGS		L.S.	0.00	2800.00	0.00	6000.00	0.00	5500.00
203.01	ROADWAY EXCAVATION	160090.00	CU YD	1.85	296166.50	2.00	320180.00	1.60	256144.00
206.01	STRUCTURE EXCAVATION OTHER THAN AT BRIDGES	8110.00	CU YD	10.00	81100.00	18.25	148007.50	23.50	190585.00
206.60	STRUCTURE EXCAVATION FOR WAIPUNAHOE STREAM BRIDGE	290.00	CU YD	12.50	3625.00	20.00	5800.00	15.00	4350.00
206.61	STRUCTURE EXCAVATION FOR WAIKALOA STREAM BRIDGE	380.00	CU YD	12.50	4750.00	20.00	7600.00	25.00	9500.00
206.82	FILTER MATERIAL FOR RETAINING WALLS	25.00	CU YD	15.00	375.00	35.00	875.00	25.00	625.00
206.84	FILTER MATERIAL FOR BRIDGE STRUCTURES	30.00	CU YD	15.00	450.00	35.00	1050.00	15.00	450.00
207.01	DITCH AND CHANNEL EXCAVATION	2130.00	CU YD	6.00	12780.00	7.00	14910.00	10.00	21300.00
301.02	AGGREGATE SUBBASE	32720.00	CU YD	5.65	184868.00	6.65	217588.00	8.50	278120.00
303.01	COARSE AGGREGATE FOR WATERBOUND MACADAM BASE	19625.00	TON	8.35	163868.75	10.45	205081.25	8.00	157000.00
303.10	BINDER FOR WATERBOUND MACADAM BASE	5897.00	TON	10.15	59854.55	15.00	88455.00	10.00	58970.00
401.03	ASPHALT CONCRETE PAVEMENT, MIX NO. III	4820.00	TON	18.85	90857.00	20.35	98087.00	18.00	86760.00
401.05	ASPHALT CONCRETE PAVEMENT, MIX NO. V	2995.00	TON	18.85	56455.75	20.50	61397.50	18.00	53910.00
407.01	SS-1 EMULSIFIED ASPHALT FOR BITUMINOUS TACK COAT	145.00	GAL	1.00	145.00	1.00	145.00	.40	58.00
408.01	MC-30 LIQUID ASPHALT FOR PRIME COAT	18850.00	GAL	.38	7163.00	.37	6974.50	.40	7540.00
409.26	MC-800 LIQUID ASPHALT FOR TYPE 3 SEAL COAT	305.00	GAL	1.25	381.25	.75	228.75	.50	152.50
410.69	CRUSHED ROCK, SIZE NO. 8, FOR BITUMINOUS SURFACE TREATMENT	10.00	TON	20.00	200.00	25.00	250.00	10.00	100.00
411.20	8-INCH REINFORCED CONCRETE PAVEMENT	120.00	CU YD	91.37	10964.40	115.00	13800.00	40.00	4800.00
503.001	CONCRETE OTHER THAN IN BRIDGES	243.00	CU YD	212.00	51516.00	210.00	51030.00	200.00	48600.00
503.031	CONCRETE IN 6 FEET X 2 FEET BOX CULVERT		L.S.	0.00	9909.55	0.00	12500.00	0.00	9350.00
503.032	CONCRETE IN 8 FEET X 8 FEET BOX CULVERT		L.S.	0.00	14807.40	0.00	42500.00	0.00	14300.00
503.050	CONCRETE IN RETAINING WALLS		L.S.	0.00	28647.65	0.00	35000.00	0.00	34000.00
503.071	CONCRETE IN WAIPUNAHOE STREAM BRIDGE, EXCEPT FOOTING		L.S.	0.00	66993.25	0.00	42500.00	0.00	30375.00
503.072	CONCRETE IN FOOTING FOR WAIPUNAHOE STREAM BRIDGE		L.S.	0.00	8357.05	0.00	4000.00	0.00	3300.00
503.073	CONCRETE IN WAIKALOA STREAM BRIDGE, EXCEPT FOOTING		L.S.	0.00	113974.20	0.00	63500.00	0.00	51750.00
503.074	CONCRETE IN FOOTING FOR WAIKALOA STREAM BRIDGE		L.S.	0.00	11928.95	0.00	8000.00	0.00	8910.00
503.201	CLASS B CONCRETE OTHER THAN IN BRIDGES	8.00	CU YD	115.00	920.00	175.00	1400.00	120.00	960.00
503.213A1	CLASS B CONCRETE FOR CONCRETE LINED DITCHES	110.00	CU YD	304.75	33522.50	200.00	22000.00	120.00	13200.00
504.34	TYPE III PRESTRESSED GIRDERS FOR WAIPUNAHOE STREAM BRIDGE		L.S.	0.00	22526.20	0.00	20750.00	0.00	15840.00

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504.35	TYPE III PRESTRESSED GIRDERS FOR WAIKALOA STREAM BRIDGE		L.S.	0.00	37526.80	0.00	36250.00	0.00	27400.00
507.10	METAL BRIDGE RAILING - ONE RAIL ON PARAPET	352.00	LIN FT	16.45	5790.40	11.50	4048.00	17.50	6160.00
507.70	CONCRETE BRIDGE PARAPET, INCLUDING END POST	462.00	LIN FT	41.17	19020.54	29.00	13398.00	15.00	6930.00
508.01	CEMENT RUBBLE MASONRY	750.00	CU YD	65.00	48750.00	70.00	52500.00	70.00	52500.00
602.011	REINFORCING STEEL IN WAIPUNAHOE STREAM BRIDGE		L.S.	0.00	6900.00	0.00	6000.00	0.00	8325.00
602.012	REINFORCING STEEL IN WAIKALOA STREAM BRIDGE		L.S.	0.00	14950.00	0.00	13000.00	0.00	14000.00
602.031	REINFORCING STEEL FOR 6 FEET X 2 FEET BOX CULVERT		L.S.	0.00	1725.00	0.00	1435.00	0.00	1520.00
602.032	REINFORCING STEEL FOR 8 FEET X 8 FEET BOX CULVERT		L.S.	0.00	1725.00	0.00	1414.00	0.00	2000.00
602.050	REINFORCING STEEL IN RETAINING WALLS		L.S.	0.00	4830.00	0.00	3630.00	0.00	5250.00
602.101	REINFORCING STEEL OTHER THAN IN BRIDGES	18180.00	LB	.28	5090.40	.25	4545.00	.30	5454.00
603.0010	BED COURSE MATERIAL FOR CULVERT	495.00	CU YD	18.50	9157.50	19.00	9405.00	15.00	7425.00
603.2232	24-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 14 GAGE	782.00	LIN FT	13.50	10557.00	25.50	19941.00	13.00	10166.00
603.2248	36-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 12 GAGE	136.00	LIN FT	22.50	3060.00	40.00	5440.00	25.00	3400.00
603.2254	54-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 12 GAGE	122.00	LIN FT	44.50	5429.00	60.00	7320.00	42.00	5124.00
603.2270	54-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 10 GAGE	60.00	LIN FT	50.50	3030.00	65.00	3900.00	50.00	3000.00
603.2272	60-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 10 GAGE	312.00	LIN FT	58.50	18252.00	67.50	21060.00	56.00	17472.00
603.2274	66-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 10 GAGE	144.00	LIN FT	62.50	9000.00	95.00	13680.00	61.00	8784.00
603.2276	72-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 10 GAGE OR 72-INCH STRUCTURAL PLATE PIPE NO. 12 GAGE	246.00	LIN FT	67.50	16605.00	85.00	20910.00	64.00	15744.00
603.2292	66-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 8 GAGE	124.00	LIN FT	69.00	8556.00	100.00	12400.00	75.00	9300.00
603.2299	84-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 8 GAGE OR 84-INCH STRUCTURAL PLATE PIPE NO. 12 GAGE	384.00	LIN FT	88.50	33984.00	100.00	38400.00	91.00	34944.00
603.2664	72-INCH X 44-INCH CORRUGATED BITUMINOUS COATED METAL PIPE-ARCH NO. 10 GAGE	52.00	LIN FT	65.00	3380.00	75.00	3900.00	60.00	3120.00
603.3042	180-INCH STRUCTURAL PLATE PIPE NO. 12 GAGE	114.00	LIN FT	155.00	17670.00	220.00	25080.00	160.00	18240.00

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603.3093	180-INCH STRUCTURAL PLATE PIPE NO. 10 GAGE	36.00	LIN FT	170.00	6120.00	230.00	8280.00	180.00	6480.00
603.3150	180-INCH STRUCTURAL PLATE PIPE NO. 8 GAGE	78.00	LIN FT	185.00	14430.00	240.00	18720.00	200.00	15600.00
603.6428	66-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 10 GAGE OR 66-INCH REINFORCED CONCRETE PIPE, CLASS III	96.00	LIN FT	62.50	6000.00	90.00	8640.00	61.00	5856.00
603.6468	72-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 10 GAGE OR 66-INCH REINFORCED CONCRETE PIPE, CLASS III	348.00	LIN FT	67.50	23490.00	85.00	29580.00	67.00	23316.00
603.7468	36-INCH CORRUGATED BITUMINOUS COATED METAL PIPE NO. 10 GAGE OR 36-INCH REINFORCED CONCRETE PIPE, CLASS III OR 36-INCH ASBESTOS CEMENT PIPE, CLASS III	10.00	LIN FT	22.50	225.00	60.00	600.00	30.00	300.00
604.010	BRICK WALL FOR STORM DRAIN MANHOLES	10.00	LIN FT	100.00	1000.00	75.00	750.00	60.00	600.00
604.041	STANDARD WATER VALVE BOX	5.00	EACH	285.00	1425.00	200.00	1000.00	210.00	1050.00
604.043	STANDARD AIR VALVE BOX	2.00	EACH	325.00	650.00	250.00	500.00	225.00	450.00
604.201	TYPE A CAST IRON FRAME AND COVER	3.00	EACH	228.85	686.55	175.00	525.00	150.00	450.00
604.202	TYPE B CAST IRON FRAME AND COVER	5.00	EACH	228.85	1144.25	150.00	750.00	150.00	750.00
604.230	TYPE W STEEL FRAME AND GRATE	1.00	EACH	556.60	556.60	500.00	500.00	400.00	400.00
604.232	TYPE A-12 STEEL FRAME AND GRATE	1.00	EACH	860.20	860.20	650.00	650.00	400.00	400.00
606.310	GUARD RAIL, TYPE 3 - SINGLE	8900.00	LIN FT	8.00	71200.00	12.00	106800.00	8.00	71200.00
607.006	4-FEET CHAIN LINK FENCE WITH CONCRETE FOOTINGS	1160.00	LIN FT	9.25	10730.00	6.00	6960.00	6.00	6960.00
608.02	4-INCH PLAIN CONCRETE SIDEWALK	875.00	SQ YD	17.31	15146.25	12.00	10500.00	11.50	10062.50
609.246	CURB AND GUTTER, TYPE 2DG	2400.00	LIN FT	6.90	16560.00	7.00	16800.00	4.00	9600.00
610.04	4-INCH REINFORCED CONCRETE DRIVEWAYS	900.00	SQ YD	23.69	21321.00	14.00	12600.00	13.50	12150.00
610.06	6-INCH REINFORCED CONCRETE DRIVEWAYS	225.00	SQ YD	25.30	5692.50	24.00	5400.00	22.50	5062.50
611.01	HAND-LAID RIPRAP	25.00	CU YD	42.50	1062.50	45.00	1125.00	60.00	1500.00
612.01	GROUTED RUBBLE PAVING	185.00	CU YD	55.00	10175.00	77.00	14245.00	70.00	12950.00
613.01	CENTERLINE MONUMENTS	25.00	EACH	37.50	937.50	34.50	862.50	20.00	500.00
621.41	REFLECTOR MARKER WITH POST	27.00	EACH	16.50	445.50	25.00	675.00	20.00	540.00
621.50	REGULATORY AND WARNING SIGN	4.00	EACH	17.50	70.00	50.00	200.00	70.00	280.00
621.51	REGULATORY AND WARNING SIGN WITH POST	35.00	EACH	70.00	2450.00	75.00	2625.00	70.00	2450.00
624.9121	FURNISH AND INSTALL 4-INCH GALVANIZED IRON CAP	1.00	EACH	7.50	7.50	5.00	5.00	30.00	30.00
624.9122	FURNISH AND INSTALL 2-INCH GALVANIZED IRON BY-PASS PIPE WITH FITTINGS	2000.00	LIN FT	1.95	3900.00	2.00	4000.00	2.00	4000.00
624.9123	FURNISH AND INSTALL 1-1/2 INCH GALVANIZED IRON BY-PASS PIPE WITH FITTINGS	240.00	LIN FT	1.70	408.00	2.00	480.00	1.85	444.00

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ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
624.9124	FURNISH AND INSTALL 1-INCH GALVANIZED IRON BY-PASS PIPE WITH FITTINGS	600.00	LIN FT	1.60	960.00	1.60	960.00	1.70	1020.00
624.9125	FURNISH AND INSTALL 1-1/4 INCH COPPER SERVICE LATERAL TYPE C, NEAR SIDE	3.00	EACH	275.00	825.00	150.00	450.00	200.00	600.00
624.9126	FURNISH AND INSTALL 1-1/4 INCH COPPER SERVICE LATERAL TYPE C, FAR SIDE	1.00	EACH	375.00	375.00	180.00	180.00	360.00	360.00
624.9127	FURNISH AND INSTALL 1-INCH COPPER SERVICE LATERAL TYPE A, NEAR SIDE	14.00	EACH	225.00	3150.00	140.00	1960.00	175.00	2450.00
624.9128	FURNISH AND INSTALL 1-INCH COPPER SERVICE LATERAL TYPE A, FAR SIDE	11.00	EACH	325.00	3575.00	180.00	1980.00	270.00	2970.00
624.9129	RELOCATION OF EXISTING METER BOXES	33.00	EACH	75.00	2475.00	45.00	1485.00	25.00	825.00
625.500	LOWERING EXISTING SEWER LINE	95.00	LIN FT	17.50	1662.50	20.00	1900.00	10.00	950.00
628.01A2	SHOTCRETE FOR CONCRETE LINED DITCHES	110.00	CU YD	224.25	24667.50	.00	.00	130.00	14300.00
629.10	TYPE A PAVEMENT MARKERS	216.00	EACH	2.50	540.00	1.50	324.00	1.50	324.00
629.20	TYPE B PAVEMENT MARKERS	185.00	EACH	3.50	647.50	4.00	740.00	3.50	647.50
629.40	TYPE D PAVEMENT MARKERS	39.00	EACH	3.50	136.50	4.50	175.50	3.50	136.50
629.50	TYPE E PAVEMENT MARKERS	13.00	EACH	4.10	53.30	4.50	58.50	3.50	45.50
633.10	RECONSTRUCTED GUARD RAIL, TYPE 3 - SINGLE	100.00	LIN FT	5.00	500.00	10.00	1000.00	6.00	600.00
636.01	FIELD OFFICE		L.S.	0.00	4000.00	0.00	4000.00	0.00	4000.00
636.02	PROJECT SITE LABORATORY		L.S.	0.00	2000.00	0.00	2000.00	0.00	2000.00
636.03	FIELD OFFICE FOR PROJECT NO. 240A-01-67		L.S.	0.00	4000.00	0.00	4000.00	0.00	4000.00
636.04	PROJECT SITE LABORATORY FOR PROJECT NO. 240A-01-67		L.S.	0.00	2000.00	0.00	2000.00	0.00	2000.00
690.01	PROJECT INFORMATIONAL SIGN	2.00	EACH	250.00	500.00	175.00	350.00	350.00	700.00
	SUM OF ITEMS				1902156.24		2096601.00		1867167.00
	ALTERNATE BID ITEM								
	ITEM NO. 503.213A			33,522.50		22,000.00		13,200.00	
	ITEM NO. 628.01A			24,667.50		No Bid		14,300.00	
	DEDUCT THE MORE EXPENSIVE ITEM				33,522.50		0		14,300.00
	AMOUNT FOR DETERMINATION OF LOW BIDDER				\$1,868,633.74		\$2,096,601.00		\$1,852,867.00
	I certify that this is a true and correct tabulation of bids opened for this project.								
	 Design Engineer								