

PROJECT - KAMEHAMEHA HIGHWAY IMPROVEMENT, LIKELIKE HIGHWAY TO KOOLAU VIEW DRIVE
FEDERAL AID PROJECT NO. F-083-1(10)
TYPE CODE - 6203, Y030, Y031, Y060, Y080
ISLAND - OAHU

DATE ADVERTISED - HONOLULU ADVERTISER - OCTOBER 5, 10, & 12, 1978
BID OPENED - NOVEMBER 2, 1978
COMPLETION TIME - TWO HUNDRED SIXTY FIVE (265) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	HIGHWAY CONSTRUCTION CO LTD		OKADA TRUCKING CO LTD		HAITSUKA BROTHERS LTD		ROYAL CONTRACTING CO LTD		STATE OF HAWAII DEPT. OF TRANSPORTATION LAND TRANSPORTATION	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
104.0400	TRAFFIC MAINTENANCE	F.A.	F.A.	0.00	30000.00	0.00	30000.00	0.00	30000.00	0.00	30000.00	0.00	30000.00
202.0430	REMOVAL OF EXISTING CONCRETE SIDEWALK FOR WHEEL CHAIR RAMPS	115.	SQ YD	10.00	1150.00	12.00	1380.00	20.00	2300.00	16.00	1840.00	3.75	431.25
203.0100	ROADWAY EXCAVATION	34380.	CU YD	10.00	343800.00	8.15	280197.00	15.60	536328.00	10.00	343800.00	10.00	343800.00
206.2020	STRUCTURE EXCAVATION FOR DRAINAGE SYSTEM	4086.	CU YD	15.00	61290.00	41.00	167526.00	30.00	122580.00	25.00	102150.00	15.00	61290.00
206.2040	STRUCTURE EXCAVATION FOR WATER SYSTEM	1550.	CU YD	15.00	23250.00	117.00	181350.00	69.00	106950.00	60.00	93000.00	10.00	15500.00
206.2060	STRUCTURE EXCAVATION FOR ELECTRIC SYSTEM	245.	CU YD	25.00	6125.00	24.00	5880.00	25.00	6125.00	35.00	8575.00	8.00	1960.00
206.2070	STRUCTURE EXCAVATION FOR TELEPHONE SYSTEM	125.	CU YD	25.00	3125.00	25.00	3125.00	26.00	3250.00	36.00	4500.00	8.00	1000.00
206.5000	STRUCTURE EXCAVATION FOR RETAINING WALLS	758.	CU YD	20.00	15160.00	33.00	25014.00	18.00	13644.00	32.00	24256.00	15.00	11370.00
206.7000	STRUCTURE BACKFILL	300.	CU YD	15.00	4500.00	14.00	4200.00	24.00	7200.00	10.00	3000.00	30.00	9000.00
206.7250	STRUCTURE BACKFILL FOR RETAINING WALLS	426.	CU YD	20.00	8520.00	15.00	6390.00	26.00	11076.00	30.00	12780.00	15.00	6390.00
206.8300	FILTER MATERIAL FOR RETAINING WALLS	47.	CU YD	20.00	940.00	26.00	1222.00	34.00	1598.00	50.00	2350.00	25.00	1175.00
302.1000	RECYCLED PLANT MIXED ASPHALT TREATED BASE	6831.	TON	26.50	181021.50	24.00	163944.00	26.00	177606.00	24.00	163944.00	30.00	204930.00
304.1110	AGGREGATE BASE	291.	CU YD	18.00	5238.00	37.00	10767.00	41.00	11931.00	46.00	13386.00	18.00	5238.00
305.1110	AGGREGATE SUBBASE	10555.	CU YD	16.00	168880.00	11.00	116105.00	13.00	137215.00	15.00	158325.00	18.00	189990.00
401.0500	ASPHALT CONCRETE PAVEMENT, MIX NO. V	2650.	TON	33.00	87450.00	30.00	79500.00	31.00	82150.00	35.00	92750.00	33.00	87450.00
403.0100	OPEN-GRADED PLANT MIX SEAL	680.	TON	34.20	23256.00	31.00	21080.00	33.00	22440.00	35.00	23800.00	32.00	21760.00
407.0100	SS-1 EMULSIFIED ASPHALT FOR BITUMINOUS TACK COAT	12530.	GAL	.50	6265.00	.50	6265.00	.48	6014.40	.60	7518.00	.90	11277.00
408.0100	MC-30 LIQUID ASPHALT FOR PRIME COAT	6265.	GAL	1.10	6891.50	1.00	6265.00	1.08	6766.20	1.50	9397.50	1.20	7518.00
503.0020	CLASS A CONCRETE FOR DRAINAGE SYSTEM	260.	CU YD	300.00	78000.00	343.00	89180.00	270.00	70200.00	300.00	78000.00	250.00	65000.00
503.1040	CONCRETE IN RETAINING WALLS	192.	CU YD	300.00	57600.00	265.00	50880.00	200.00	38400.00	350.00	67200.00	250.00	48000.00
503.2020	CLASS B CONCRETE FOR DRAINAGE SYSTEM	16.	CU YD	350.00	5600.00	338.00	5408.00	225.00	3600.00	350.00	5600.00	190.00	3040.00
503.2050	CLASS B CONCRETE FOR WATER SYSTEM	60.	CU YD	300.00	18000.00	187.00	11220.00	120.00	7200.00	180.00	10800.00	190.00	11400.00
508.0100	CONCRETE RUBBLE MASONRY	65.	CU YD	140.00	9100.00	95.00	6175.00	129.00	8385.00	200.00	13000.00	175.00	11375.00
602.0040	REINFORCING STEEL IN RETAINING WALLS	16650.	LB	.50	8325.00	.50	8325.00	.48	7992.00	.50	8325.00	.80	13320.00
602.1020	REINFORCING STEEL FOR DRAINAGE SYSTEM	5718.	LB	.50	2859.00	.55	3144.90	.54	3087.72	.60	3430.80	.80	4574.40
602.1040	REINFORCING STEEL FOR WATER SYSTEM	3700.	LB	.50	1850.00	.55	2035.00	.54	1998.00	.70	2590.00	.90	3330.00
603.0010	BED COURSE MATERIAL FOR CULVERT	299.	CU YD	20.00	5980.00	18.00	5382.00	24.00	7176.00	15.00	4485.00	22.00	6578.00
603.1002	12-INCH REINFORCED CONCRETE PIPE, CLASS III	28.	LIN FT	15.00	420.00	13.00	364.00	14.00	392.00	34.00	952.00	13.00	364.00
603.1006	18-INCH REINFORCED CONCRETE PIPE, CLASS III	20.	LIN FT	18.00	360.00	17.00	340.00	22.00	440.00	35.00	700.00	15.00	300.00
603.7200	24-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.079 INCH OR 24-INCH REINFORCED CONCRETE PIPE, CLASS III OR 24-INCH ABESTOS CEMENT PIPE, CLASS III	3094.	LIN FT	21.00	64974.00	20.00	61880.00	23.00	71162.00	34.00	105196.00	20.00	61880.00
603.7320	30-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.079 INCH OR 30-INCH REINFORCED CONCRETE PIPE CLASS III OR 30-INCH ABESTOS CEMENT PIPE, CLASS III	132.	LIN FT	26.00	3432.00	26.00	3432.00	30.00	3960.00	40.00	5280.00	30.25	3993.00

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604.0370	PRE-CAST CONCRETE STORM DRAIN MANHOLE	6.	LIN FT	60.00	360.00	140.00	840.00	90.00	540.00	150.00	900.00	50.00	300.00
604.0410	STANDARD WATER VALVE BOX	41.	EACH	400.00	16400.00	160.00	6560.00	130.00	5330.00	50.00	2050.00	250.00	10250.00
604.1421	EXISTING CATCH BASIN CDI TO BE COMPLETELY DEMOLISHED	5.	EACH	150.00	750.00	300.00	1500.00	600.00	3000.00	250.00	1250.00	500.00	2500.00
604.1481	EXISTING WATER MANHOLE TO BE COMPLETELY DEMOLISHED	9.	EACH	125.00	1125.00	300.00	2700.00	250.00	2250.00	250.00	2250.00	300.00	2700.00
604.1482	EXISTING WATER HANDHOLE TO BE COMPLETELY DEMOLISHED	2.	EACH	50.00	100.00	300.00	600.00	530.00	1060.00	250.00	500.00	250.00	500.00
604.1700	EXISTING ELECTRIC HANDHOLE TO BE COMPLETELY DEMOLISHED	45.	LIN FT	50.00	2250.00	22.00	990.00	23.00	1035.00	25.00	1125.00	150.00	6750.00
604.1701	REMOVING, CLEANING AND RETURNING 2X4 HECO HANDHOLES, FRAMES AND COVERS TO HECO WARD AVE WAREHOUSE	9.	EACH	100.00	900.00	82.00	738.00	87.00	783.00	90.00	810.00	200.00	1800.00
604.1750	EXISTING TELEPHONE HANDHOLE TO BE COMPLETELY DEMOLISHED	45.	LIN FT	40.00	1800.00	22.00	990.00	23.00	1035.00	25.00	1125.00	150.00	6750.00
604.2050	6 INCH C.I. FRAME AND COVER FOR WATER VALVE BOX	41.	EACH	100.00	4100.00	85.00	3485.00	100.00	4100.00	50.00	2050.00	150.00	6150.00
604.2150	TYPE A CAST IRON FRAME AND COVER	2.	EACH	150.00	300.00	222.00	444.00	250.00	500.00	250.00	500.00	290.00	580.00
604.2160	TYPE B CAST IRON FRAME AND COVER	38.	EACH	150.00	5700.00	245.00	9310.00	300.00	11400.00	300.00	11400.00	200.00	7600.00
604.2170	TYPE P CAST IRON FRAME AND COVER	2.	EACH	150.00	300.00	256.00	512.00	150.00	300.00	230.00	460.00	200.00	400.00
604.2430	TYPE C CAST IRON FRAME AND GRATE	3.	EACH	150.00	450.00	614.00	1842.00	500.00	1500.00	700.00	2100.00	350.00	1050.00
604.4300	ADJUSTING TYPE SA CAST IRON FRAME AND COVER FOR SEWER MANHOLE	2.	EACH	100.00	200.00	440.00	880.00	550.00	1100.00	500.00	1000.00	300.00	600.00
604.4700	ADJUSTING HECO MANHOLE FRAME AND COVER	1.	EACH	300.00	300.00	307.00	307.00	310.00	310.00	300.00	300.00	200.00	200.00
604.5000	RELOCATE EXIST WATER METER BOX; CONNECT TO RELOCATED OR EXISTING MAIN	31.	EACH	100.00	3100.00	341.00	10571.00	700.00	21700.00	350.00	10850.00	600.00	18600.00
604.5001	ADJUST WATER VALVE BOX; CONNECT TO RELOCATED MAIN	20.	EACH	100.00	2000.00	250.00	5000.00	125.00	2500.00	25.00	500.00	550.00	11000.00
604.5002	ADJUST TOP OF WATER METER BOX TO FINISH GRADE	20.	EACH	100.00	2000.00	225.00	4500.00	50.00	1000.00	80.00	1600.00	450.00	9000.00
604.5003	ADJUST TOP OF WATER MANHOLE TO FINISH GRADE	24.	EACH	100.00	2400.00	440.00	10560.00	375.00	9000.00	400.00	9600.00	300.00	7200.00
604.5004	ADJUST TOP OF WATER HANDHOLE TO FINISH GRADE	6.	EACH	100.00	600.00	440.00	2640.00	65.00	390.00	25.00	150.00	300.00	1800.00
606.3110	GUARD RAIL, TYPE 3 - SINGLE WITH STEEL POST	760.	LIN FT	17.60	13376.00	16.00	12160.00	17.00	12920.00	36.00	27360.00	30.00	22800.00
607.0031	RELOCATE 3-FEET CHAIN LINK FENCE WITH TOP RAIL	115.	LIN FT	12.30	1414.50	12.00	1380.00	12.00	1380.00	18.00	2070.00	8.50	977.50
608.1200	4-INCH REINFORCED CONCRETE SIDEWALK	5605.	SQ YD	25.00	140125.00	15.00	84075.00	15.60	87438.00	13.00	72865.00	12.00	67260.00
608.6000	BED COURSE MATERIAL FOR SIDEWALK	897.	CU YD	20.00	17940.00	22.00	19734.00	37.00	33189.00	30.00	26910.00	20.00	17940.00
609.2020	CURB, TYPE 2D	566.	LIN FT	5.00	2830.00	10.00	5660.00	6.70	3792.20	7.00	3962.00	10.00	5660.00
609.2140	GUTTER, TYPE 2G	641.	LIN FT	7.00	4487.00	14.00	8974.00	7.50	4807.50	7.00	4487.00	10.00	6410.00
609.2720	CURB AND GUTTER, TYPE 2DG	10814.	LIN FT	9.00	97326.00	13.00	140582.00	8.20	88674.80	8.00	86512.00	15.00	162210.00

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609.6000	BITUMINOUS CURB, TYPE 6	128.	LIN FT	12.00	1536.00	11.00	1408.00	11.00	1408.00	12.00	1536.00	5.00	640.00
609.9010	BED COURSE FOR CURB &/OR GUTTER	383.	CU YD	20.00	7660.00	22.00	8426.00	39.00	14937.00	40.00	15320.00	20.00	7660.00
610.0400	4-INCH REINFORCED CONCRETE DRIVEWAYS	686.	SQ YD	20.00	13720.00	21.00	14406.00	16.60	11387.60	16.00	10976.00	12.00	8232.00
610.0600	6-INCH REINFORCED CONCRETE DRIVEWAYS	872.	SQ YD	25.00	21800.00	27.00	23544.00	20.80	18137.60	18.00	15696.00	16.00	13952.00
617.0100	IMPORTED TOPSOIL	1773.	CU YD	20.00	35460.00	10.00	17730.00	11.00	19503.00	8.00	14184.00	8.00	14184.00
619.7050	PLANTING VINES, WEDELIA TRILOBATA (WEDELIA) 12 TO 18 INCHES LONG RUNNERS	360.	SQ FT	.30	108.00	2.50	900.00	2.65	954.00	1.00	360.00	.30	108.00
619.9001	TRANSPLANTING TREES	12.	EACH	200.00	2400.00	1300.00	15600.00	1330.00	15960.00	200.00	2400.00	250.00	3000.00
619.9002	TRANSPLANTING HEDGES	70.	LIN FT	15.00	1050.00	27.00	1890.00	29.00	2030.00	15.00	1050.00	10.00	700.00
621.4100	REFLECTOR MARKER WITH POST	2.	EACH	106.40	212.80	100.00	200.00	100.00	200.00	150.00	300.00	30.00	60.00
621.5000	REGULATORY AND WARNING SIGN (10 SQ FT OR LESS)	14.	EACH	100.80	1411.20	94.00	1316.00	95.00	1330.00	100.00	1400.00	100.00	1400.00
621.5100	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS) WITH POST	100.	EACH	207.20	20720.00	192.00	19200.00	200.00	20000.00	185.00	18500.00	150.00	15000.00
621.5800	BIKE ROUTE SIGN WITH POST	5.	EACH	207.20	1036.00	192.00	960.00	200.00	1000.00	200.00	1000.00	150.00	750.00
621.5810	MISCELLANEOUS SIGN FOR BIKE ROUTE ASSEMBLY WITHOUT POST	13.	EACH	33.60	436.80	32.00	416.00	32.00	416.00	50.00	650.00	81.00	1053.00
621.6100	TYPE A ROUTE MARKER ASSEMBLY	1.	EACH	140.00	140.00	130.00	130.00	135.00	135.00	150.00	150.00	30.00	30.00
621.8000	RELOCATE BUS STOP SIGNS (PER CITY AND COUNTY, DEPT. OF TRANSPORTATION SERVICES)	6.	EACH	128.80	772.80	120.00	720.00	120.00	720.00	120.00	720.00	25.00	150.00
622.0011	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT, 150-WATT HIGH PRESSURE SODIUM LAMP LUMINAIRE, SINGLE BRACKET MOUNTED ON STEEL POLE	14.	EACH	1431.36	20039.04	1150.00	16100.00	1175.00	16450.00	1110.00	15540.00	1200.00	16800.00
622.0012	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT, 250-WATT HIGH PRESSURE SODIUM LAMP LUMINAIRE, SINGLE BRACKET MOUNTED ON STEEL POLE	7.	EACH	1507.52	10552.64	1108.00	7756.00	1130.00	7910.00	1065.00	7455.00	1300.00	9100.00
622.0013	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT, 150-WATT HIGH PRESSURE SODIUM LAMP LUMINAIRE, SINGLE BRACKET, STEEL POLE WITH SLIP BASE	7.	EACH	1596.00	11172.00	1280.00	8960.00	1300.00	9100.00	1230.00	8610.00	1900.00	13300.00
622.0014	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT, 250-WATT HIGH PRESSURE SODIUM LAMP LUMINAIRE, SINGLE BRACKET, STEEL POLE WITH SLIP BASE	3.	EACH	1711.36	5134.08	1316.00	3948.00	1350.00	4050.00	1265.00	3795.00	2000.00	6000.00
622.0031	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT, 150-WATT HIGH PRESSURE SODIUM LAMP LUMINAIRE, SINGLE BRACKET MOUNTED ON WOOD POLE	17.	EACH	635.04	10795.68	488.00	8296.00	500.00	8500.00	470.00	7990.00	400.00	6800.00
622.0032	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT, 250-WATT HIGH PRESSURE SODIUM LAMP LUMINAIRE, SINGLE BRACKET MOUNTED ON WOOD POLE	17.	EACH	649.60	11043.20	489.00	8313.00	500.00	8500.00	470.00	7990.00	450.00	7650.00

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622.5051	CONDUIT INCLUDING TRENCHING AND BACKFILLING AND CABLES FOR HIGHWAY LIGHTING SYSTEM	5300.	LIN FT	8.11	42983.00	12.70	67310.00	13.00	68900.00	12.00	63600.00	5.00	26500.00
622.7001	REMOVAL OF EXISTING HIGHWAY LIGHTING SYSTEM, SERIES CIRCUIT LUMINAIRE AND WOOD POLE	15.	LIN FT	145.60	2184.00	14.00	210.00	14.50	217.50	15.00	225.00	100.00	1500.00
622.7002	REMOVAL OF EXISTING SERIES CIRCUIT CABLES	7000.	LIN FT	.14	980.00	.15	1050.00	.15	1050.00	.14	980.00	.60	4200.00
622.7003	REMOVAL OF EXISTING LUMINAIRE MOUNTED ON JOINT POLE	6.	EACH	69.44	416.64	35.00	210.00	36.00	216.00	34.00	204.00	100.00	600.00
622.7004	REMOVAL OF EXISTING MULTIPLE CIRCUIT CABLES	60.	LIN FT	1.18	70.80	1.00	60.00	1.00	60.00	2.00	120.00	.60	36.00
622.7005	REPLACE EXISTING 400-WATT MERCURY LUMINAIRE WITH 250-WATT HIGH PRESSURE SODIUM LUMINAIRE	2.	EACH	228.48	456.96	246.00	492.00	250.00	500.00	300.00	600.00	500.00	1000.00
623.2001	TRAFFIC SIGNAL CONTROLLER AND CABINET (4 PHASE)	1.	EACH	11104.80	11104.80	9508.00	9508.00	9700.00	9700.00	9150.00	9150.00	13000.00	13000.00
623.2010	INSTALL TYPE I TRAFFIC SIGNAL STANDARD	6.	EACH	321.44	1928.64	230.00	1380.00	235.00	1410.00	220.00	1320.00	250.00	1500.00
623.2030	FURNISH AND INSTALL FOUNDATION FOR TYPE I TRAFFIC SIGNAL STANDARD	6.	EACH	164.60	987.60	111.00	666.00	115.00	690.00	108.00	648.00	200.00	1200.00
623.2050	FURNISH AND INSTALL FOUNDATION FOR CONTROLLER CABINET	1.	EACH	500.60	500.60	175.00	175.00	180.00	180.00	168.00	168.00	350.00	350.00
623.2210	TYPE II TRAFFIC SIGNAL STANDARD WITH 20-FEET MAST ARM	1.	EACH	1405.60	1405.60	1570.00	1570.00	1600.00	1600.00	1510.00	1510.00	1300.00	1300.00
623.2220	TYPE II TRAFFIC SIGNAL STANDARD WITH 35-FEET MAST ARM	1.	EACH	2094.40	2094.40	2287.00	2287.00	2335.00	2335.00	2200.00	2200.00	1500.00	1500.00
623.2310	FOUNDATION FOR TYPE II TRAFFIC SIGNAL STANDARD (20-FEET MAST ARM)	1.	EACH	812.00	812.00	444.00	444.00	450.00	450.00	430.00	430.00	950.00	950.00
623.2320	FOUNDATION FOR TYPE II TRAFFIC SIGNAL STANDARD (35-FEET MAST ARM)	1.	EACH	1171.50	1171.50	567.00	567.00	580.00	580.00	545.00	545.00	1000.00	1000.00
623.3100	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL WITH TYPE I MOUNTING)	2.	EACH	380.80	761.60	408.00	816.00	420.00	840.00	395.00	790.00	300.00	600.00
623.3110	TRAFFIC SIGNAL ASSEMBLY (2-WAY, 12-INCH, 2-3 SECTION VERTICAL WITH TYPE II MOUNTING)	1.	EACH	669.70	669.70	601.00	601.00	615.00	615.00	580.00	580.00	300.00	300.00
623.3120	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL WITH TYPE IV MOUNTING)	1.	EACH	381.90	381.90	426.00	426.00	440.00	440.00	410.00	410.00	325.00	325.00
623.3130	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL WITH TYPE VI MOUNTING)	4.	EACH	459.20	1836.80	420.00	1680.00	430.00	1720.00	405.00	1620.00	350.00	1400.00
623.3140	TRAFFIC SIGNAL ASSEMBLY (1-WAY, 12-INCH, 1-3 SECTION VERTICAL, WITH TYPE 1A MOUNTING)	2.	EACH	1264.50	2529.00	1202.00	2404.00	1230.00	2460.00	1156.00	2312.00	1000.00	2000.00
623.3150	TRAFFIC SIGNAL ASSEMBLY (3-WAY, 12-INCH, 3-3 SECTION VERTICAL WITH TYPE III MOUNTING)	1.	EACH	966.50	966.50	896.00	896.00	920.00	920.00	862.00	862.00	500.00	500.00

PROJECT - KAMEHAMEHA HIGHWAY IMPROVEMENT, LIKELIKE HIGHWAY TO KOOLAU VIEW DRIVE . DATE ADVERTISED - HONOLULU ADVERTISER - OCTOBER 5, 10, & 12, 1978
 FEDERAL AID PROJECT NO. F-083-1(10) BID OPENED - NOVEMBER 2, 1978
 TYPE CODE - 6203, Y030, Y031, Y060, Y080 COMPLETION TIME - TWO HUNDRED SIXTY FIVE (265) WORKING DAYS
 ISLAND - OAHU

ITEM NO.	ITEM	QUANTITY	UNIT	HIGHWAY CONSTRUCTION CO LTD		OKADA TRUCKING CO LTD		HAITSUKA BROTHERS LTD		ROYAL CONTRACTING CO LTD		STATE OF HAWAII DEPT. OF TRANSPORTATIO LAND TRANSPORTATION	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
623.4100	PEDESTRIAN SIGNAL ASSEMBLY (1-WAY, 12-INCH, ONE VERTICAL WITH TYPE IV MOUNTING)	8.	EACH	471.50	3772.00	396.00	3168.00	400.00	3200.00	380.00	3040.00	300.00	2400.00
623.4140	PEDESTRIAN PUSHBUTTON WITH INSTRUCTION SIGN	7.	EACH	133.30	933.10	154.00	1078.00	160.00	1120.00	150.00	1050.00	110.00	770.00
623.5000	FURNISH AND INSTALL ONE 2-INCH CONDUIT	450.	LIN FT	6.30	2835.00	12.00	5400.00	12.50	5625.00	11.00	4950.00	3.90	1755.00
623.5010	FURNISH AND INSTALL TWO 2-INCH CONDUITS	450.	LIN FT	14.80	6660.00	21.00	9450.00	22.00	9900.00	20.00	9000.00	4.50	2025.00
623.5090	TRAFFIC SIGNAL DUCTLINE, FOUR 2-INCH CONDUITS	4.	LIN FT	39.20	156.80	24.00	96.00	24.00	96.00	25.00	100.00	8.00	32.00
623.5091	TRAFFIC SIGNAL DUCTLINE, ONE 1 1/2-INCH CONDUIT	15.	LIN FT	19.00	285.00	12.00	180.00	12.00	180.00	10.00	150.00	3.45	51.75
623.6000	FURNISH AND INSTALL TYPE A PULLBOX	1.	EACH	930.70	930.70	301.00	301.00	310.00	310.00	300.00	300.00	750.00	750.00
623.6010	FURNISH AND INSTALL TYPE B PULLBOX	10.	EACH	396.40	3964.00	254.00	2540.00	260.00	2600.00	245.00	2450.00	350.00	3500.00
623.6020	FURNISH AND INSTALL TYPE C PULLBOX	13.	EACH	301.20	3915.60	373.00	4849.00	380.00	4940.00	360.00	4680.00	400.00	5200.00
623.7010	LOOP DETECTOR SENSING UNIT (6 FEET X 8 FEET) 4 DOUBLE LOOP	4.	EACH	2091.00	8364.00	1527.00	6108.00	1560.00	6240.00	1470.00	5880.00	900.00	3600.00
623.7040	LOOP DETECTOR SENSING UNIT (6 FT. X 8 FT.) 2 LOOPS	2.	EACH	1068.50	2137.00	196.00	392.00	200.00	400.00	190.00	380.00	1200.00	2400.00
623.7100	NO. 8, 1-CONDUCTOR POWER CABLE	140.	LIN FT	1.00	140.00	.65	91.00	.65	91.00	.60	84.00	.40	56.00
623.7110	NO. 10, 1-CONDUCTOR POWER CABLE	60.	LIN FT	.80	48.00	.85	51.00	.90	54.00	.80	48.00	.30	18.00
623.7200	NO. 14, 2-CONDUCTOR DETECTOR LEAD-IN CABLE	3000.	LIN FT	.70	2100.00	.40	1200.00	.40	1200.00	.35	1050.00	.50	1500.00
623.7300	NO. 14, 26-CONDUCTOR TRAFFIC CONTROL LOOP CABLE	460.	LIN FT	4.30	1978.00	2.50	1150.00	2.50	1150.00	2.50	1150.00	2.70	1242.00
623.9000	METER SOCKET FUSED SWITCH AND EQUIPMENT CABINET	1.	EACH	2329.60	2329.60	1693.00	1693.00	1730.00	1730.00	1630.00	1630.00	900.00	900.00
624.1005	FURNISHING AND INSTALLING 6-INCH DUCTILE IRON PIPE (CLASS 52)	3221.	LIN FT	12.00	38652.00	11.00	35431.00	16.00	51536.00	35.00	112735.00	12.00	38652.00
624.1006	FURNISHING AND INSTALLING 8-INCH DUCTILE IRON PIPE (CLASS 52)	143.	LIN FT	15.00	2145.00	14.00	2002.00	22.00	3146.00	42.00	6006.00	17.00	2431.00
624.1007	FURNISHING AND INSTALLING 12-INCH DUCTILE IRON PIPE (CLASS 52)	2740.	LIN FT	20.00	54800.00	20.00	54800.00	28.00	76720.00	40.00	109600.00	30.00	82200.00
624.1191	FURNISHING AND INSTALLING 6-INCH GATE VALVE (CLASS 250)	24.	EACH	350.00	8400.00	350.00	8400.00	275.00	6600.00	250.00	6000.00	400.00	9600.00
624.1192	FURNISHING AND INSTALLING 8-INCH GATE VALVE (CLASS 250)	3.	EACH	500.00	1500.00	730.00	2190.00	530.00	1590.00	400.00	1200.00	600.00	1800.00
624.1193	FURNISHING AND INSTALLING 12-INCH GATE VALVE (CLASS 250)	8.	EACH	900.00	7200.00	1194.00	9552.00	965.00	7720.00	700.00	5600.00	800.00	6400.00
624.1270	FURNISHING AND INSTALLING 3/4-INCH AIR RELIEF VALVE (130 PSI MINIMUM WORKING PRESSURE) AND ALL APPURTENANCES	5.	EACH	400.00	2000.00	330.00	1650.00	175.00	875.00	350.00	1750.00	200.00	1000.00
624.1274	FURNISHING AND INSTALLING 3/4-INCH AIR RELIEF VALVE (180 PSI MINIMUM WORKING PRESSURE) AND ALL APPURTENANCES	1.	EACH	500.00	500.00	355.00	355.00	270.00	270.00	450.00	450.00	200.00	200.00

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 ISLAND - OAHU

DATE ADVERTISED - HONOLULU ADVERTISER - OCTOBER 5, 10, & 12, 1978
 BID OPENED - NOVEMBER 2, 1978
 COMPLETION TIME - TWO HUNDRED SIXTY FIVE (265) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	HIGHWAY CONSTRUCTION CO LTD		OKADA TRUCKING CO LTD		HAITSUKA BROTHERS LTD		ROYAL CONTRACTING CO LTD		STATE OF HAWAII DEPT. OF TRANSPORTATION LAND TRANSPORTATION	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
624.1275	FURNISHING AND INSTALLING 314-INCH AIR RELIEF VALVE (200 PSI MINIMUM WORKING PRESSURE) AND ALL APPURTENANCES	4.	EACH	500.00	2000.00	385.00	1540.00	300.00	1200.00	475.00	1900.00	200.00	800.00
624.1291	FURNISHING AND INSTALLING HUB CLAMP FOR 6 INCH CI PIPE FITTING INCLUDING STRONG BACK BOLTS AND NUTS	1.	EACH	250.00	250.00	190.00	190.00	175.00	175.00	400.00	400.00	350.00	350.00
624.1349	FURNISHING AND INSTALLING 12-INCH X 6-INCH TAPPING SLEEVE INCLUDING 6-INCH TAPPING VALVE (CLASS 250)	6.	EACH	1000.00	6000.00	1485.00	8910.00	1500.00	9000.00	1500.00	9000.00	1500.00	9000.00
624.1641	FURNISHING AND INSTALLING DUCTILE IRON FITTINGS	20545.	LB	1.50	30817.50	1.30	26708.50	.90	18490.50	1.00	20545.00	1.50	30817.50
624.1678	FURNISHING AND INSTALLING 7.0-FEET HEIGHT FIRE HYDRANT	9.	EACH	1000.00	9000.00	1162.00	10458.00	800.00	7200.00	1000.00	9000.00	700.00	6300.00
624.4171	REMOVING, CLEANING, PAINTING, AND REINSTALLING 6 INCH GATE VALVE	2.	EACH	150.00	300.00	450.00	900.00	150.00	300.00	50.00	100.00	150.00	300.00
624.4670	REMOVING, CLEANING, PAINTING, AND REINSTALLING FIRE HYDRANT	8.	EACH	400.00	3200.00	580.00	4640.00	300.00	2400.00	150.00	1200.00	200.00	1600.00
627.0100	RESTORATION OF EXISTING CITY AND/OR COUNTY STREETS AND OTHER IMPROVEMENTS	5000.	SQ FT	2.00	10000.00	4.70	23500.00	1.50	7500.00	1.20	6000.00	15.00	75000.00
629.1010	PAVEMENT STRIPING	13000.	LIN FT	.51	6630.00	.50	6500.00	.50	6500.00	.60	7800.00	1.00	13000.00
629.1020	CROSSWALK MARKING	36.	LANE	84.00	3024.00	78.00	2808.00	80.00	2880.00	90.00	3240.00	50.00	1800.00
629.1030	PAVEMENT ARROWS	18.	EACH	67.20	1209.60	63.00	1134.00	64.00	1152.00	75.00	1350.00	100.00	1800.00
629.1051	BICYCLE ROUTE ADHESIVE SYMBOL	21.	EACH	50.40	1058.40	47.00	987.00	48.00	1008.00	60.00	1260.00	40.00	840.00
629.1052	ARROW ADHESIVE SYMBOL	39.	EACH	50.40	1965.60	47.00	1833.00	48.00	1872.00	60.00	2340.00	25.00	975.00
629.2010	TYPE A PAVEMENT MARKERS	575.	EACH	3.36	1932.00	3.00	1725.00	3.20	1840.00	5.00	2875.00	5.00	2875.00
629.2030	TYPE C PAVEMENT MARKERS	145.	EACH	5.60	812.00	5.00	725.00	5.30	768.50	7.00	1015.00	3.00	435.00
629.2070	TYPE H PAVEMENT MARKERS	135.	EACH	5.60	756.00	5.00	675.00	5.30	715.50	7.00	945.00	3.00	405.00
630.0060	INSTALLING HECO PREFCAST CONCRETE SERVICE BOX	2.	EACH	460.30	920.60	365.00	730.00	370.00	740.00	350.00	700.00	1000.00	2000.00
630.0150	CONSTRUCT HECO MANHOLE TYPE 46M	2.	EACH	6026.70	12053.40	3676.00	7352.00	3750.00	7500.00	3540.00	7080.00	6000.00	12000.00
630.0160	CONSTRUCT HECO MANHOLE TYPE 57M	3.	EACH	6736.80	20210.40	4684.00	14052.00	4800.00	14400.00	4500.00	13500.00	8000.00	24000.00
630.0230	CONSTRUCT HECO HANDHOLE TYPE 57	1.	EACH	4357.90	4357.90	4568.00	4568.00	4670.00	4670.00	4400.00	4400.00	6000.00	6000.00
630.0260	CONSTRUCT HECO HANDHOLE TYPE 46	11.	EACH	3809.00	41899.00	3300.00	36300.00	3470.00	38170.00	3300.00	36300.00	6000.00	66000.00
630.0290	CONSTRUCT HECO HANDHOLE TYPE 3X5	3.	EACH	2403.50	7210.50	2815.00	8445.00	2875.00	8625.00	2700.00	8100.00	1000.00	3000.00
630.0320	INSTALLING HICO PULLBOX NO. 435T-B	14.	EACH	588.00	8232.00	514.00	7196.00	525.00	7350.00	500.00	7000.00	1000.00	14000.00
630.0330	INSTALLING HICO PULL BOX NO 434 T	1.	EACH	397.60	397.60	286.00	286.00	290.00	290.00	300.00	300.00	300.00	300.00
630.1201	INSTALLING ONE 2 INCH PLASTIC DUCT IN PLAIN CONC JACKET	15.	LIN FT	16.80	252.00	18.00	270.00	18.00	270.00	18.00	270.00	13.00	195.00

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
630.1221	INSTALLING ONE 3-INCH PLASTIC DUCT IN PLAIN CONCRETE JACKET	162.	LIN FT	14.10	2284.20	17.00	2754.00	17.50	2835.00	20.00	3240.00	15.00	2430.00
630.1222	INSTALLING TWO 3-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	116.	LIN FT	27.40	3178.40	16.00	1856.00	17.00	1972.00	16.00	1856.00	18.00	2088.00
630.1241	INSTALLING ONE 4-INCH PLASTIC DUCT IN PLAIN CONCRETE JACKET	230.	LIN FT	21.40	4922.00	16.00	3680.00	16.00	3680.00	15.00	3450.00	18.00	4140.00
630.1242	INSTALLING TWO 4-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	543.	LIN FT	34.70	18842.10	19.00	10317.00	19.00	10317.00	19.00	10317.00	20.00	10860.00
630.1243	INSTALLING THREE 4-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	188.	LIN FT	44.40	8347.20	23.00	4324.00	23.00	4324.00	22.00	4136.00	22.00	4136.00
630.1244	INSTALLING FOUR 4-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	88.	LIN FT	27.70	2437.60	30.00	2640.00	30.00	2640.00	30.00	2640.00	24.00	2112.00
630.1261	INSTALLING ONE 5-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	60.	LIN FT	35.10	2106.00	26.00	1560.00	26.00	1560.00	25.00	1500.00	16.00	960.00
632.0100	RESET REFLECTOR MARKER	7.	EACH	56.00	392.00	52.00	364.00	53.00	371.00	70.00	490.00	100.00	700.00
632.7000	RESET STREET NAME SIGN	2.	EACH	192.00	384.00	182.00	364.00	185.00	370.00	200.00	400.00	50.00	100.00
636.0100	FIELD OFFICE (NOT TO EXCEED \$16,000)	L.S.	L.S.	0.00	16000.00	0.00	9500.00	0.00	16000.00	0.00	16000.00	0.00	16000.00
636.1000	PROJECT SITE LABORATORY (NOT TO EXCEED \$6,000)	L.S.	L.S.	0.00	6000.00	0.00	5500.00	0.00	6000.00	0.00	6000.00	0.00	6000.00
639.0100	TEMPORARY PROJECT WATER POLLUTION CONTROL	F.A.	F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00
641.0100	HYDRO-MULCH SEEDING	87580.	SQ FT	.15	13137.00	.30	26274.00	.32	28025.60	.16	14012.80	.60	52548.00
650.0001	WHEELCHAIR RAMPS	306.	SQ YD	30.00	9180.00	17.00	5202.00	17.00	5202.00	14.00	4284.00	12.00	3672.00
698.1000	TRAINING (---3- TRAINEES)	3000.	HOOR	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00
699.1000	MOBILIZATION (NOT TO EXCEED 6 PER CENT OF THE SUM OF ALL ITEMS EXCLUDING THIS ITEM)	L.S.	L.S.	0.00	100000.00	0.00	95000.00	0.00	15000.00	0.00	140000.00	0.00	142100.00
SUM OF ALL ITEMS					2337282.58		2454775.40		2510718.62		2546141.10		2511072.40
I certify that this is a true and correct tabulation of bids opened for this project.													
<i>F. H. Abeskinna</i> Project Manager 11-8-78 Date													