

BID TABULATION
 PROJECT - MOANALUA ROAD, TRAFFIC SIGNALS AT AIEA INTERCHANGE
 KAMEHAMEHA HIGHWAY, TRAFFIC SIGNALS AT FORD ISLAND FERRY GATE
 PROJECT NO. - HHS-078-1(20) & F-099-1(6)
 TYPE CODES - Y031

DATE ADVERTISED: Honolulu Advertiser
 November 16, 18, & 21, 1977
 BIDS OPENED: December 8, 1977
 COMPLETION TIME: SIXTY (60) Working Days

ITEM NO.	ITEM	QUANTITY	UNIT	JACK ENDO ELECTRIC CO.		HYGRADE ELECTRIC CO., LTD.		MIDPAC ELECTRIC, INC.		GEORGE OKANO ELECTRICAL CONTRACTING CORP.		WASA ELECTRICAL SERVICE, a Division of U. S. Industries, Inc.		MAUNA KEA ELECTRIC, INC.		STANDARD ELECTRIC, INC.		STATE OF HAWAII DEPT. OF TRANSPORTATION LAND 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
203.0100	Roadway Excavation	300	C.Y.	\$ 26.60	\$ 7,980.00	\$ 51.00	\$ 15,300.00	\$ 41.00	\$ 12,300.00	\$ 21.70	\$ 6,510.00	\$ 46.00	\$ 13,800.00	\$ 11.19	\$ 3,357.00	\$ 47.00	\$ 14,100.00	\$ 25.00	\$ 7,500.00
304.1110	Aggregate Base	95	C.Y.	32.00	3,040.00	29.00	2,755.00	35.50	3,372.50	25.60	2,432.00	37.00	3,515.00	16.72	1,588.40	44.00	4,180.00	35.00	3,325.00
305.1110	Aggregate Subbase	165	C.Y.	26.60	4,389.00	17.00	2,805.00	35.50	5,857.50	24.45	4,034.25	34.00	5,610.00	15.70	2,590.50	44.00	7,260.00	33.00	5,445.00
401.0200	Asphalt Concrete Pavement, Mix No. II	65	Ton	35.10	2,281.50	39.00	2,535.00	33.00	2,145.00	38.92	2,529.80	40.00	2,600.00	39.55	2,570.75	47.00	3,055.00	40.00	2,600.00
401.0500	Asphalt Concrete Pavement, Mix No. V	40	Ton	35.10	1,404.00	39.00	1,560.00	33.00	1,320.00	38.90	1,556.00	38.00	1,520.00	45.77	1,830.80	47.00	1,880.00	40.00	1,600.00
408.0100	MC-30 Liquid Asphalt for Prime Coat	135	Gal.	1.15	155.25	2.40	324.00	1.09	147.15	2.27	306.45	1.30	175.50*	4.40	594.00	3.00	405.00	2.40	324.00
608.0200	4-Inch Plain Concrete Sidewalk	425	S.Y.	20.20	8,585.00	15.32	6,511.00	15.25	6,481.25	51.55	21,908.75	26.62	11,313.50*	16.00	6,800.00	17.00	7,225.00	22.00	9,350.00
608.6000	Bed Course Material for Sidewalk	50	C.Y.	26.60	1,330.00	13.50	675.00	60.75	3,037.50	46.65	2,332.50	30.20	1,510.00	26.00	1,300.00	70.00	3,500.00	35.00	1,750.00
609.2010	Curb, Type 2A	380	L.F.	6.90	2,622.00	10.60	4,028.00	8.10	3,078.00	13.18	5,008.40	11.00	4,180.00	9.00	3,420.00	9.50	3,610.00	5.00	1,900.00
621.5000	Regulatory and Warning Sign, (10 Sq. Ft. or Less)	3	Each	128.00	384.00	230.00	690.00	122.00	366.00	71.00	213.00	247.00	741.00	240.00	720.00	62.00	186.00	110.00	330.00
621.5100	Regulatory and Warning Sign, (10 Sq. Ft. or Less), with Post	7	Each	213.00	1,491.00	270.00	1,890.00	203.00	1,421.00	150.95	1,056.65	242.00	1,694.00	286.00	2,002.00	174.00	1,218.00	180.00	1,260.00
621.5300	Regulatory and Warning Sign, (Greater than 10 Sq. Ft.) with Post	1	Each	268.00	268.00	305.00	305.00	253.00	253.00	249.00	249.00	303.00	303.00	325.00	325.00	160.00	160.00	190.00	190.00
623.2001	Traffic Signal Controller and Cabinet (4-Phase) HHS-078-1(20)	1	Each	6,121.00	6,121.00	7,417.00	7,417.00	7,195.00	7,195.00	6,067.00	6,067.00	6,612.00	6,612.00	7,805.00	7,805.00	8,000.00	8,000.00	13,000.00	13,000.00
623.2002	Traffic Signal Controller and Cabinet (4-Phase) F-099-1(6)	1	Each	5,855.00	5,855.00	6,909.00	6,909.00	7,195.00	7,195.00	5,806.00	5,806.00	6,334.00	6,334.00	7,805.00	7,805.00	7,700.00	7,700.00	12,500.00	12,500.00
623.2200	Type I Traffic Signal Standard	10	Each	196.00	1,960.00	235.00	2,350.00	234.00	2,340.00	203.95	2,039.50	272.00	2,720.00	280.00	2,800.00	240.00	2,400.00	250.00	2,500.00
623.2210	Type II Traffic Signal Standard with 25-Ft. Mast Arm	1	Each	1,100.00	1,100.00	1,421.00	1,421.00	1,210.00	1,210.00	1,192.00	1,192.00	1,276.00	1,276.00	1,370.00	1,370.00	1,440.00	1,440.00	1,300.00	1,300.00
623.2220	Type II Traffic Signal Standard with 30-Ft. Mast Arm	2	Each	1,158.00	2,316.00	1,364.00	2,728.00	1,285.00	2,570.00	1,256.00	2,512.00	1,367.00	2,734.00	1,450.00	2,900.00	1,510.00	3,020.00	1,500.00	3,000.00
623.2300	Foundation for Type I Traffic Signal Standard	10	Each	125.60	1,256.00	100.00	1,000.00	146.00	1,460.00	50.90	509.00	170.00	1,700.00	252.00	2,520.00	83.00	830.00	200.00	2,000.00
623.2310	Foundation for Type II Traffic Signal Standard (25-Ft. Mast Arm)	1	Each	1,285.00	1,285.00	435.00	435.00	490.00	490.00	318.00	318.00	486.00	486.00	1,260.00	1,260.00	950.00	950.00	950.00	950.00

BID TABULATION PROJECT - MOANALUA ROAD, TRAFFIC SIGNALS AT AIEA INTERCHANGE KAMEHAMEHA HIGHWAY, TRAFFIC SIGNALS AT FORD ISLAND FERRY GATE PROJECT NO. - HHS-078-1(20) & F-099-1(6) TYPE CODES - Y031				DATE ADVERTISED: Honolulu Advertiser November 16, 18, & 21, 1977 BIDS OPENED: December 8, 1977 COMPLETION TIME: SIXTY (60) Working Days															
ITEM NO.	ITEM	QUANTITY	UNIT	JACK ENDO ELECTRIC CO.		HYGRADE ELECTRIC CO., LTD.		MIDPAC ELECTRIC, INC.		GEORGE OKANO ELECTRICAL CONTRACTING CORP.		WASA ELECTRICAL SERVICE, a Division of U. S. Industries, Inc.		MAUNA KEA ELECTRIC, INC.		STANDARD ELECTRIC, INC.		STATE OF HAWAII DEPT. OF TRANSPORTATION LAND 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
623.2320	Foundation for Type II Traffic Signal Standard (30-Ft. Mast Arm)	2	Each	\$1,278.50	\$ 2,557.00	\$ 469.00	\$ 938.00	\$ 480.00	\$ 960.00	\$ 328.85	\$ 657.70	\$ 523.00	\$ 1,046.00	\$1,260.00	\$ 2,520.00	\$ 975.00	\$ 1,950.00	\$1,000.00	\$ 2,000.00
623.2330	Foundation for Controller Cabinet	2	Each	509.00	1,018.00	260.00	520.00	244.00	488.00	101.65	203.30	309.00	618.00	450.00	900.00	100.00	200.00	350.00	700.00
623.3100	Traffic Signal Assembly (1-Way, 12-Inch, 1-3 Section Vertical with Type I Mounting)	5	Each	232.60	1,163.00	299.00	1,495.00	202.00	1,010.00	285.20	1,426.00	303.00	1,515.00	416.40	2,082.00	270.00	1,350.00	300.00	1,500.00
623.3110	Traffic Signal Assembly (2-Way, 12-Inch, 2-3 Section Vertical with Type II Mounting)	2	Each	285.50	571.00	557.00	1,114.00	414.00	828.00	343.95	687.90	381.00	762.00	627.50	1,255.00	320.00	640.00	300.00	600.00
623.3120	Traffic Signal Assembly (1-Way, 12-Inch, 1-3 Section Vertical with Type IV Mounting)	2	Each	242.50	485.00	280.00	560.00	249.00	498.00	309.90	619.80	315.00	630.00	415.00	830.00	275.00	550.00	325.00	650.00
623.3130	Traffic Signal Assembly (1-Way, 12-Inch, 1-3 Section Vertical with Type VI Mounting)	6	Each	318.15	1,908.90	357.00	2,142.00	305.00	1,830.00	355.30	2,131.80	375.00	2,250.00	455.00	2,730.00	359.00	2,154.00	350.00	2,100.00
623.3140	Traffic Signal Assembly (1-Way, 12-Inch, 1-3 Section Vertical, Programmed Visibility Head with Type IA Mounting)	3	Each	981.35	2,944.05	980.00	2,940.00	988.00	2,964.00	996.25	2,988.75	1,092.00	3,276.00	1,160.00	3,480.00	1,140.00	3,420.00	1,000.00	3,000.00
623.4100	Pedestrian Signal Assembly (1-Way, 12-Inch, One Vertical with Type IV Mounting)	8	Each	289.15	2,313.20	400.00	3,200.00	360.00	2,880.00	331.50	2,652.00	341.00	2,728.00	581.25	4,650.00	354.00	2,832.00	300.00	2,400.00
623.4140	Pedestrian Pushbutton with Instruction Sign	8	Each	221.50	1,772.00	85.00	680.00	57.00	456.00	70.30	562.40	82.00	656.00	162.50	1,300.00	62.00	496.00	110.00	880.00
623.5000	Traffic Signal Ductline, One 2-Inch Conduit HHS-078-1(20)		L.S.		2,417.00		1,815.00		3,051.00		4,846.00		2,772.00		5,155.00		3,500.00		3,360.00
623.5001	Traffic Signal Ductline, One 2-Inch Conduit F-099-1(6)		L.S.		4,230.00		3,377.00		5,216.00		3,891.00		4,052.00		6,450.00		4,800.00		4,200.00
623.5010	Traffic Signal Ductline, Two 2-Inch Conduit HHS-078-1(20)		L.S.		5,050.00		3,383.00		5,143.00		4,187.00		3,872.00		3,500.00		5,000.00		3,300.00
623.5011	Traffic Signal Ductline, Two 2-Inch Conduit F-099-1(6)		L.S.		7,544.00		6,804.00		6,270.00		5,643.00		7,600.00		7,650.00		7,700.00		5,025.00
623.5020	Traffic Signal Ductline, Three 2-Inch Conduit HHS-078-1(20)		L.S.		2,047.00		1,573.00		2,637.00		1,636.00		1,590.00		2,470.00		1,750.00		1,400.00
623.5021	Traffic Signal Ductline, Three 2-Inch Conduit F-099-1(6)		L.S.		326.00		65.00		266.00		153.00		158.00		880.00		200.00		125.00

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PROJECT NO. - HHS-078-1(20) & F-099-1(6)				COMPLETION TIME: SIXTY (60) Working Days															
TYPE CODES - Y031																			
ITEM NO.	ITEM	QUANTITY	UNIT	JACK ENDO ELECTRIC CO.		HYGRADE ELECTRIC CO., LTD.		MIDPAC ELECTRIC, INC.		GEORGE OKANO ELECTRICAL CONTRACTING CORP.		WASA ELECTRICAL SERVICE, a Division of U. S. Industries, Inc.		MAUNA KEA ELECTRIC, INC.		STANDARD ELECTRIC, INC.		STATE OF HAWAII DEPT. OF TRANSPORTATION LAND 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
623.6000	Type A Pullbox	2	Each	\$1,612.50	\$ 3,225.00	\$ 749.00	\$ 1,498.00	\$ 783.00	\$ 1,566.00	\$ 417.45	\$ 834.90	\$ 817.00	\$ 1,634.00	\$2,800.00	\$ 5,600.00	\$ 500.00	\$ 1,000.00	\$ 750.00	\$ 1,500.00
623.6010	Type B Pullbox	21	Each	184.15	3,867.15	294.00	6,174.00	293.00	6,153.00	335.90	7,053.90	291.00	6,111.00	280.00	5,880.00	300.00	6,300.00	350.00	7,350.00
623.7010	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 2 Loops	2	Each	355.50	711.00	408.00	816.00	500.00	1,000.00	311.90	623.80	516.00	1,032.00	577.00	1,154.00	500.00	1,000.00	500.00	1,000.00
623.7020	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 3 Loops	1	Each	520.00	520.00	631.00	631.00	902.00	902.00	437.00	437.00	762.00	762.00	865.00	865.00	610.00	610.00	600.00	600.00
623.7030	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 6 Loops	2	Each	998.00	1,996.00	1,118.00	2,236.00	1,895.00	3,790.00	797.50	1,595.00	1,495.00	2,990.00	1,730.00	3,460.00	1,200.00	2,400.00	1,500.00	3,000.00
623.7040	Loop Detector Sensing Unit (6 Ft. x 8 Ft.) 2 Loops	2	Each	455.00	910.00	463.00	926.00	661.00	1,322.00	444.85	889.70	629.00	1,258.00	620.00	1,240.00	600.00	1,200.00	600.00	1,200.00
623.7050	Loop Detector Sensing Unit (6 Ft. x 8 Ft.) 3 Loops	1	Each	711.00	711.00	610.00	610.00	806.00	806.00	398.00	398.00	935.00	935.00	930.00	930.00	700.00	700.00	750.00	750.00
623.7100	No. 6 3-Conductor Power Cable HHS-078-1(20)		L.S.		262.00		262.00		164.00		125.00		306.00		195.00		500.00		460.00
623.7110	No. 6 3-Conductor Power Cable F-099-1(6)		L.S.		151.00		156.00		131.00		88.00		195.00		180.00		300.00		280.00
623.7200	No. 14 2-Conductor Detector Lead-In Cable HHS-078-1(20)		L.S.		258.00		439.00		762.00		181.00		247.00		335.00		250.00		470.00
623.7210	No. 14 2-Conductor Detector Lead-In Cable F-099-1(6)		L.S.		342.00		776.00		877.00		245.00		445.00		405.00		575.00		865.00
623.7300	No. 14 26-Conductor Traffic Control Loop Cable HHS-078-1(20)		L.S.		963.00		1,185.00		2,035.00		999.00		1,179.00		2,720.00		900.00		1,568.00
623.7310	No. 14 26-Conductor Traffic Control Loop Cable F-099-1(6)		L.S.		1,398.00		1,171.00		2,397.00		1,538.00		1,933.00		4,640.00		900.00		1,545.00
623.9000	Meter Socket and Breaker	2	Each	470.50	941.00	311.00	622.00	157.00	314.00	343.65	687.30	364.00	728.00	340.00	680.00	300.00	600.00	400.00	800.00
629.1010	Pavement Striping HHS-078-1(20)	460	L.F.	.55	253.00	0.60	276.00	.51	234.60	.57	262.20	.90	414.00	1.00	460.00	1.80	828.00	0.75	345.00
629.1011	Pavement Striping F-099-1(6)	550	L.F.	.55	302.50	0.60	330.00	.51	280.50	.56	308.00	.75	412.50	2.22	1,221.00	1.50	825.00	0.75	412.50
629.1020	Crosswalk Marking F-099-1(6)	8	Lane	37.40	299.20	40.00	320.00	35.50	284.00	39.15	313.20	102.00	816.00	158.00	1,264.00	127.00	1,016.00	38.00	304.00
629.1030	Pavement Arrows HHS-078-1(20)	6	Each	26.60	159.60	40.00	240.00	25.50	153.00	27.80	166.80	62.00	372.00	25.00	150.00	70.00	420.00	40.00	240.00
629.1031	Pavement Arrows F-099-1(6)	5	Each	26.60	133.00	30.00	150.00	25.50	127.50	28.30	141.50	47.00	235.00	42.00	210.00	41.00	225.00	30.00	150.00
629.2030	Type C Pavement Markers HHS-078-1(20)	24	Each	5.40	129.60	6.00	144.00	5.10	122.40	19.57	469.68	5.50	132.00	5.20	124.80	7.00	168.00	9.00	216.00

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
629.2031	Type C Pavement Markers F-099-1(6)	16	Each	\$ 5.40	\$ 86.40	\$ 6.00	\$ 96.00	\$ 5.10	\$ 81.60	\$ 22.55	\$ 360.80	\$ 6.00	\$ 96.00	\$ 5.20	\$ 83.20	\$ 7.00	\$ 112.00	\$ 9.00	\$ 144.00
650.1000	Wheelchair Ramps HHS-078-1(20)	2	Each	439.00	878.00	595.00	1,190.00	714.00	1,428.00	1,073.70	2,147.40	424.00	848.00	550.00	1,100.00	1,000.00	2,000.00	1,000.00	2,000.00
650.1010	Wheelchair Ramps F-099-1(6)	8	Each	430.00	3,440.00	556.00	4,448.00	608.00	4,864.00	1,197.35	9,578.80	666.00	5,328.00	550.00	4,400.00	900.00	7,200.00	800.00	6,400.00
	SUM OF ALL ITEMS				\$112,105.35		\$116,940.00		\$126,530.50		\$128,309.93		\$130,757.50*		\$136,707.45		\$137,690.00		\$133,663.50
				*Corrected figures															
I certify that this is a true and correct tabulation of bids opened for this project.																			
James Simpson Project Engineer 10-13-77 Date																			