

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING
SOUTH OF FARRINGTON HIGHWAY TO THE
VICINITY OF RENTON ROAD
PROJECT NO. - FEDERAL AID URBAN SYSTEM PROJECT NO. M-7600(2)
TYPE CODES - 6202, Y005, Y003, Y080, Y060, X081
ISLAND- OAHU

DATES ADVERTISED - HONOLULU ADVERTISER - MAY 19, 21, 23, 1980
BIDS OPENED- JUNE 12, 1980
COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	DILLINGHAM CORP.		E. F. BLACK, LTD.		MOSEMAN CONSTR CO. & ROYAL CONTR CO., LTD.		OKADA TRUCKING CO. LTD		STATE OF HAWAII	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
104.0500	CONSTRUCTION AND MAINTENANCE OF DETOURS	F.A.	F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00
104.0600	MAINTENANCE OF TRAFFIC SIGNALS DURING CONSTRUCTION	F.A.	F.A.	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00
202.0440	REMOVAL OF BUILDINGS	L.S.	L.S.	0.00	6000.00	0.00	5520.00	0.00	7000.00	0.00	4500.00	0.00	3000.00
202.0441	REMOVAL OF EXISTING IRRIGATION STRUCTURES	L.S.	L.S.	0.00	6000.00	0.00	22582.00	0.00	5000.00	0.00	16500.00	0.00	3000.00
203.0100	ROADWAY EXCAVATION	137200.	CU YD	4.45	610540.00	5.22	716184.00	7.00	960400.00	8.70	1193640.00	8.00	1097600.00
203.0300	REMOVAL OF TEMPORARY SURCHARGE	11500.	CU YD	4.00	46000.00	10.58	121670.00	3.00	34500.00	3.80	43700.00	8.00	92000.00
206.2010	STRUCTURE EXCAVATION FOR IRRIGATION SYSTEM	2579.	CU YD	21.00	54159.00	26.45	68214.55	15.00	38685.00	15.00	38685.00	24.00	61896.00
206.2020	STRUCTURE EXCAVATION FOR DRAINAGE SYSTEM	7324.	CU YD	20.00	146480.00	27.28	199798.72	26.00	190424.00	28.00	205072.00	24.00	175776.00
206.2030	STRUCTURE EXCAVATION FOR SPRINKLER SYSTEM	178.	CU YD	15.00	2670.00	73.89	13152.42	20.00	3560.00	42.00	7476.00	42.00	7476.00
206.2140	STRUCTURE EXCAVATION FOR HTCO SPLICE PITS	9.	CU YD	100.00	900.00	109.25	983.25	200.00	1800.00	220.00	1980.00	35.00	315.00
206.6000	STRUCTURE EXCAVATION FOR BRIDGES	93.	CU YD	22.00	2046.00	30.00	2790.00	30.00	2790.00	27.00	2511.00	30.00	2790.00
206.7000	STRUCTURE BACKFILL	825.	CU YD	32.00	26400.00	12.22	10081.50	21.00	17325.00	15.00	12375.00	30.00	24750.00
206.8000	FILTER MATERIAL	33.	CU YD	48.00	1584.00	24.21	798.93	70.00	2310.00	25.00	825.00	30.00	990.00
207.0100	DITCH AND CHANNEL EXCAVATION	384.	CU YD	9.00	3456.00	23.84	9154.56	15.00	5760.00	24.00	9216.00	16.00	6144.00
208.1000	VERTICAL DRAINS. 55,585 LINEAL FEET OF 18-INCH AUGERED SANDDRAINS. OR VERTICAL DRAINS. 76,800 LINEAL FEET OF 12-INCH JETTED SANDDRAINS. OR VERTICAL DRAINS. 136,315 LINEAL FEET OF PREFABRICATED DRAIN STRIPS	L.S.	L.S.	0.00	230000.00	0.00	395765.00	0.00	300000.00	0.00	413600.00	0.00	559000.00
208.4000	PERMEABLE MATERIAL BLANKET	19900.	CU YD	31.00	616900.00	23.60	469640.00	35.00	696500.00	22.00	437800.00	17.00	338300.00
209.0100	PORE PRESSURE MEASURING DEVICE	3.	EACH	1200.00	3600.00	1475.00	4425.00	1000.00	3000.00	1700.00	5100.00	1500.00	4500.00
209.0200	CONTROL STAKES	56.	EACH	53.50	2996.00	39.49	2211.44	90.00	5040.00	50.00	2800.00	100.00	5600.00
209.0300	SETTLEMENT PLATFORMS	11.	EACH	590.00	6490.00	266.76	2934.36	150.00	1650.00	200.00	2200.00	300.00	3300.00
304.1110	AGGREGATE BASE	6752.	CU YD	19.50	131664.00	18.41	124304.32	23.00	155296.00	30.00	202560.00	20.00	135040.00
305.1110	AGGREGATE SUBBASE	40065.	CU YD	15.60	625014.00	17.57	703942.05	16.00	641040.00	19.00	761235.00	16.00	641040.00
401.0300	ASPHALT CONCRETE PAVEMENT, MIX NO. III	820.	TON	39.00	31980.00	39.10	32062.00	35.00	28700.00	37.00	30340.00	37.00	30340.00
401.0500	ASPHALT CONCRETE PAVEMENT, MIX NO. V	10520.	TON	35.50	373460.00	38.81	408281.20	35.00	368200.00	36.70	386084.00	38.00	399760.00
411.2100	12 1/2-INCH UNREINFORCED CONCRETE PAVEMENT	324.	CU YD	145.00	46980.00	213.73	69248.52	130.00	42120.00	162.00	52488.00	350.00	113400.00
412.1000	RECYCLED ASPHALT TREATED BASE-HALAWA INTERCHANGE	3700.	TON	28.00	103600.00	30.76	113812.00	28.00	103600.00	29.40	108780.00	30.00	111000.00
412.2000	RECYCLED ASPHALT TREATED BASE-FORT WEAVER ROAD	14000.	TON	27.60	386400.00	30.19	422660.00	27.00	378000.00	29.00	406000.00	30.00	420000.00
503.0010	CLASS A CONCRETE FOR IRRIGATION SYSTEM	49.	CU YD	430.00	21070.00	631.36	30936.64	400.00	19600.00	548.00	26852.00	450.00	22050.00
503.0020	CLASS A CONCRETE FOR DRAINAGE SYSTEM	130.	CU YD	463.00	60190.00	563.20	73216.00	500.00	65000.00	498.00	64740.00	450.00	58500.00
503.1092	CONCRETE IN BRIDGES (EXCEPT FOOTINGS)	L.S.	L.S.	0.00	559000.00	0.00	386425.00	0.00	573000.00	0.00	539670.00	0.00	366800.00
503.1093	CONCRETE IN BRIDGE FOOTINGS	L.S.	L.S.	0.00	53000.00	0.00	41586.00	0.00	100000.00	0.00	56580.00	0.00	66400.00

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
503.2030	CLASS B CONCRETE FOR SPRINKLER SYSTEM	41.	CU YD	250.00	10250.00	327.53	13428.73	150.00	6150.00	150.00	6150.00	350.00	14350.00
504.2200	TYPE II PRESTRESSED CONCRETE GIRDERS	4080.	LIN FT	71.00	289680.00	87.33	356306.40	60.00	244800.00	96.00	391680.00	55.00	224400.00
505.0010	PILE LOAD TESTS	2.	EACH	14690.00	29380.00	9946.81	19893.62	25000.00	50000.00	24500.00	49000.00	7000.00	14000.00
505.0020	TEST PILES, DRIVEN	1520.	LIN FT	9.15	13908.00	8.20	12464.00	15.00	22800.00	13.60	20672.00	15.00	22800.00
505.0411	PRESTRESSED CONCRETE PILES, FURNISHED	20234.	LIN FT	14.00	283276.00	15.32	309984.88	20.00	404680.00	21.00	424914.00	15.00	303510.00
505.4110	PRESTRESSED CONCRETE PILES, DRIVEN	16340.	LIN FT	10.50	171570.00	6.87	112255.80	7.00	114380.00	6.80	111112.00	10.00	163400.00
505.6100	24-INCH DIAMETER PREDRILLED HOLES	1128.	LIN FT	20.50	23124.00	14.86	16762.08	16.00	18048.00	17.00	19176.00	25.00	28200.00
505.9000	EXTENSIONS OR 'BUILD-UPS' OF PILES	F.A.	F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00
505.9100	PILE DRIVING EQUIPMENT EXPENSE (NOT OVER \$8000.00)	L.S.	L.S.	0.00	8000.00	0.00	8000.00	0.00	8000.00	0.00	8000.00	0.00	8000.00
507.7100	STANDARD PARAPET (INCLUDING END POST)	1150.	LIN FT	56.50	64975.00	63.96	73554.00	50.00	57500.00	62.00	71300.00	40.00	46000.00
507.9000	TYPE I METAL BIKEWAY RAILING (DOMESTIC STEEL)	295.	LIN FT	49.00	14455.00	52.90	15605.50	50.00	14750.00	59.00	17405.00	35.00	10325.00
507.9100	TYPE II METAL BIKEWAY RAILING (DOMESTIC STEEL)	285.	LIN FT	25.00	7125.00	27.60	7866.00	25.00	7125.00	43.00	12255.00	30.00	8550.00
602.0051	REINFORCING STEEL IN BRIDGES	L.S.	L.S.	0.00	125000.00	0.00	136275.00	0.00	150000.00	0.00	130000.00	0.00	106400.00
602.1010	REINFORCING STEEL IN IRRIGATION SYSTEM	3340.	LB	.70	2338.00	.69	2304.60	.60	2004.00	.60	2004.00	.60	2004.00
602.1020	REINFORCING STEEL FOR DRAINAGE SYSTEM	6180.	LB	.70	4326.00	.69	4264.20	.60	3708.00	.60	3708.00	.60	3708.00
602.1030	REINFORCING STEEL FOR SPRINKLER SYSTEM	2810.	LB	.70	1967.00	.69	1938.90	.60	1686.00	.60	1686.00	.60	1686.00
603.0010	BED COURSE MATERIAL FOR CULVERT	249.	CU YD	22.00	5478.00	83.95	20903.55	25.00	6225.00	34.00	8466.00	30.00	7470.00
603.6080	48-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.138 INCH OR												
603.6180	42-INCH REINFORCED CONCRETE PIPE, CLASS III	1818.	LIN FT	61.50	111807.00	49.60	90172.80	42.00	76356.00	48.00	87264.00	65.00	118170.00
603.7220	54-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR												
603.7220	48-INCH REINFORCED CONCRETE PIPE, CLASS III	1130.	LIN FT	58.90	66557.00	52.86	59731.80	48.00	54240.00	58.00	65540.00	80.00	90400.00
603.7260	24-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR												
603.7260	24-INCH REINFORCED CONCRETE PIPE, CLASS III OR	362.	LIN FT	27.50	9955.00	23.60	8543.20	24.00	8688.00	22.00	7964.00	30.00	10860.00
603.7380	24-INCH ASBESTOS CEMENT PIPE, CLASS III												
603.7380	30-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.079 INCH OR												
603.7380	24-INCH REINFORCED CONCRETE PIPE, CLASS III OR	1361.	LIN FT	25.00	34025.00	22.27	30309.47	24.00	32664.00	26.00	35386.00	30.00	40830.00
603.7500	24-INCH ASBESTOS CEMENT PIPE, CLASS III												
603.7500	36-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR												
603.7500	30-INCH REINFORCED CONCRETE PIPE, CLASS III OR	262.	LIN FT	41.00	10742.00	32.34	8473.08	30.00	7860.00	30.00	7860.00	34.00	8908.00
603.7500	30-INCH ASBESTOS CEMENT PIPE, CLASS III												
603.7500	42-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR												
603.7500	36-INCH REINFORCED CONCRETE PIPE, CLASS III OR	1153.	LIN FT	45.00	51885.00	38.87	44817.11	36.00	41508.00	37.00	42661.00	45.00	51885.00
603.7500	36-INCH ASBESTOS CEMENT PIPE, CLASS III												

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
603.9000	24-INCH PREFABRICATED STEEL FLARED END SECTION OR 24-INCH PRECAST CONCRETE FLARED END SECTION	2.	EACH	450.00	900.00	555.71	1111.42	1000.00	2000.00	2950.00	5900.00	400.00	800.00
604.1601	EXISTING TELEPHONE MANHOLE TO BE COMPLETELY DEMOLISHED	1.	EACH	3970.00	3970.00	4347.00	4347.00	500.00	500.00	1430.00	1430.00	3800.00	3800.00
604.2150	TYPE A CAST IRON FRAME AND COVER	2.	EACH	300.00	600.00	538.27	1076.54	250.00	500.00	341.00	682.00	240.00	480.00
604.2330	TYPE 61614 STEEL FRAME AND GRATE (DOMESTIC STEEL)	20.	EACH	1400.00	28000.00	1283.22	25664.40	1000.00	20000.00	930.00	18600.00	800.00	16000.00
604.2340	TYPE 61616 STEEL FRAME AND GRATE (DOMESTIC STEEL)	3.	EACH	1760.00	5280.00	2017.98	6053.94	1400.00	4200.00	1430.00	4290.00	900.00	2700.00
604.2345	INSTALL STATE-FURNISHED TYPE 61616 STEEL FRAME AND GRATE	1.	EACH	195.00	195.00	130.58	130.58	150.00	150.00	176.00	176.00	500.00	500.00
604.2350	TYPE 61214 STEEL FRAME AND GRATE (DOMESTIC STEEL)	10.	EACH	1235.00	12350.00	1294.57	12945.70	1000.00	10000.00	913.00	9130.00	900.00	9000.00
606.3110	GUARD RAIL, TYPE 3 - SINGLE WITH STEEL POST, (DOMESTIC STEEL)	3482.	LIN FT	16.50	57453.00	18.06	62884.92	16.00	55712.00	17.00	59194.00	16.00	55712.00
606.4160	CONCRETE GUARD RAIL	650.	LIN FT	46.00	29900.00	58.90	38285.00	60.00	39000.00	73.00	47450.00	50.00	32500.00
606.4200	PORTABLE CONCRETE GUARD RAIL (INTERMEDIATE PANEL)	21.	EACH	935.00	19635.00	818.64	17191.44	750.00	15750.00	979.00	20559.00	800.00	16800.00
606.4210	PORTABLE CONCRETE GUARD RAIL (TERMINAL PANEL)	4.	EACH	935.00	3740.00	1477.78	5911.12	750.00	3000.00	979.00	3916.00	800.00	3200.00
606.7100	BREAKAWAY CABLE TERMINAL	3.	EACH	1975.00	5925.00	993.93	2981.79	1600.00	4800.00	2068.00	6204.00	1200.00	3600.00
607.0050	5-FEET CHAIN LINK FENCE WITH TOP RAIL AND CONCRETE FOOTINGS (DOMESTIC STEEL)	3705.	LIN FT	14.25	52796.25	15.41	57094.05	15.00	55575.00	14.00	51870.00	12.00	44460.00
607.9240	4-FEET WOVEN WIRE FENCE (DOMESTIC STEEL)	2475.	LIN FT	7.25	17943.75	7.94	19651.50	7.00	17325.00	7.60	18810.00	4.00	9900.00
609.2218	GUTTER, TYPE 2 (61218)	7064.	LIN FT	22.50	158940.00	16.02	113165.28	12.00	84768.00	27.00	190728.00	15.00	105960.00
609.2614	GUTTER, TYPE 2 (61614)	2793.	LIN FT	12.00	33516.00	7.36	20556.48	10.00	27930.00	17.00	47481.00	8.00	22344.00
609.2720	CURB AND GUTTER, TYPE 2DG	254.	LIN FT	11.00	2794.00	8.63	2192.02	10.00	2540.00	15.00	3810.00	8.00	2032.00
613.0100	CENTERLINE MONUMENTS	4.	EACH	82.00	328.00	395.33	1581.32	150.00	600.00	95.00	380.00	100.00	400.00
621.0200	PANEL FOR DESTINATION SIGN	183.	SQ FT	27.00	4941.00	59.80	10943.40	50.00	9150.00	57.00	10431.00	40.00	7320.00
621.1300	BREAKAWAY SIGN POST AND FOUNDATION FOR DESTINATION SIGN (DOMESTIC STEEL)	8.	EACH	904.00	7232.00	2162.00	17296.00	1600.00	12800.00	2068.00	16544.00	1800.00	14400.00
621.4000	REFLECTOR MARKER	26.	EACH	20.00	520.00	96.60	2511.60	50.00	1300.00	92.00	2392.00	15.00	390.00
621.4100	REFLECTOR MARKER WITH POST	130.	EACH	57.20	7436.00	43.70	5681.00	40.00	5200.00	41.00	5330.00	20.00	2600.00
621.5000	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS)	8.	EACH	82.00	656.00	161.00	1288.00	120.00	960.00	154.00	1232.00	115.00	920.00
621.5100	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS) WITH POST	38.	EACH	140.00	5320.00	315.10	11973.80	300.00	11400.00	301.00	11438.00	150.00	5700.00
621.5300	REGULATORY AND WARNING SIGN, (GREATER THAN 10 SQUARE FEET), WITH POST	3.	EACH	348.00	1044.00	300.53	901.59	400.00	1200.00	431.00	1293.00	350.00	1050.00
621.5500	REGULATORY AND WARNING SIGN (CONSTRUCTION) WITH POST	1.	EACH	220.00	220.00	552.00	552.00	450.00	450.00	528.00	528.00	300.00	300.00

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621.6100	TYPE A ROUTE MARKER ASSEMBLY	2.	EACH	190.00	380.00	506.00	1012.00	410.00	820.00	484.00	968.00	300.00	600.00
621.6200	TYPE B ROUTE MARKER ASSEMBLY	1.	EACH	436.00	436.00	690.00	690.00	500.00	500.00	660.00	660.00	425.00	425.00
621.7100	CONSTRUCTION SIGN WITH POST	2.	EACH	315.00	630.00	552.00	1104.00	400.00	800.00	528.00	1056.00	250.00	500.00
621.7700	BIKE ROUTE SIGN	6.	EACH	48.00	288.00	126.50	759.00	90.00	540.00	120.00	720.00	115.00	690.00
621.7800	BIKE ROUTE SIGN WITH POST	6.	EACH	106.00	636.00	218.50	1311.00	180.00	1080.00	209.00	1254.00	250.00	1500.00
622.1000	CONSTRUCT TRANSFORMER CONCRETE PAD	1.	EACH	978.00	978.00	1070.65	1070.65	800.00	800.00	836.00	836.00	450.00	450.00
622.7002	METAL LIGHTING STANDARD ON GRADE (DOMESTIC STEEL)	8.	EACH	2392.00	19136.00	2619.70	20957.60	2500.00	20000.00	2334.00	18672.00	1500.00	12000.00
622.7003	METAL LIGHTING STANDARD ON GRADE - TWIN ARM (DOMESTIC STEEL)	36.	EACH	3054.00	109944.00	3344.20	120391.20	3000.00	108000.00	2876.00	103536.00	1880.00	67680.00
622.7008	WIRE, 600 VOLT, 1/C, #6	L.S.	L.S.	0.00	5450.00	0.00	5966.00	0.00	7000.00	0.00	7178.00	0.00	7500.00
622.7009	WIRE, 600 VOLT, 1/C, #4	L.S.	L.S.	0.00	81350.00	0.00	89088.00	0.00	70000.00	0.00	70565.00	0.00	99900.00
622.7016	PULLBOX, TYPE CC, LIGHTING SYSTEM	40.	EACH	530.00	21200.00	579.60	23184.00	400.00	16000.00	396.00	15840.00	400.00	16000.00
622.7019	2-INCH RACEWAY IN STRUCTURE	L.S.	L.S.	0.00	8065.00	0.00	8832.00	0.00	7000.00	0.00	7102.00	0.00	7275.00
622.7020	MISCELLANEOUS ELECTRICAL FACILITIES	L.S.	L.S.	0.00	11796.00	0.00	12919.00	0.00	11000.00	0.00	11918.00	0.00	8500.00
622.7021	UNDERGROUND RACEWAY, LIGHTING SYSTEM	L.S.	L.S.	0.00	133400.00	0.00	146096.00	0.00	80000.00	0.00	81400.00	0.00	69100.00
623.9009	TRAFFIC SIGNAL SYSTEM NO. 2-4 (DOMESTIC STEEL)	L.S.	L.S.	0.00	26165.00	0.00	28655.00	0.00	25000.00	0.00	24780.00	0.00	7650.00
623.9015	SIGNAL LOOP CABLE: 26/C, #14, 600 VOLT	L.S.	L.S.	0.00	1352.00	0.00	1481.00	0.00	1000.00	0.00	1012.00	0.00	2000.00
623.9016	SIGNAL HEAD CABLE: 4/C, #14, 600 VOLT	L.S.	L.S.	0.00	277.00	0.00	302.00	0.00	300.00	0.00	330.00	0.00	250.00
623.9017	DETECTOR LEAD-IN CABLE: 2/C, #12, 600 VOLT	L.S.	L.S.	0.00	436.00	0.00	477.25	0.00	300.00	0.00	330.00	0.00	800.00
623.9019	SIGNAL DUCT: ONE 2-INCH	L.S.	L.S.	0.00	315.00	0.00	345.00	0.00	700.00	0.00	770.00	0.00	150.00
623.9021	SIGNAL POWER CABLE: 1/C, #6, 600 VOLT	L.S.	L.S.	0.00	294.00	0.00	322.00	0.00	700.00	0.00	660.00	0.00	200.00
626.0100	TYPE I BARRICADES	4.	EACH	139.00	556.00	398.00	1592.00	150.00	600.00	150.00	600.00	100.00	400.00
626.0300	TYPE III BARRICADES	1.	EACH	550.00	550.00	645.80	645.80	500.00	500.00	450.00	450.00	500.00	500.00
629.1010	PAVEMENT STRIPING	41500.	LIN FT	.36	14940.00	.39	16185.00	.40	16600.00	.37	15355.00	.40	16600.00
629.1020	CROSSWALK MARKING	6.	LANE	58.00	348.00	63.25	379.50	60.00	360.00	60.00	360.00	50.00	300.00
629.1030	PAVEMENT ARROWS	14.	EACH	47.50	665.00	51.75	724.50	60.00	840.00	49.00	686.00	45.00	630.00
629.2010	TYPE A PAVEMENT MARKERS	1486.	EACH	2.00	2972.00	2.19	3254.34	2.00	2972.00	2.00	2972.00	2.00	2972.00
629.2030	TYPE C PAVEMENT MARKERS	519.	EACH	5.00	2595.00	5.46	2833.74	5.00	2595.00	5.00	2595.00	5.00	2595.00
629.2040	TYPE D PAVEMENT MARKERS	44.	EACH	6.50	286.00	6.90	303.60	7.00	308.00	7.00	308.00	7.50	330.00
629.2070	TYPE H PAVEMENT MARKERS	560.	EACH	5.00	2800.00	5.46	3057.60	6.00	3360.00	5.00	2800.00	7.50	4200.00
630.0260	CONSTRUCT HECO HANDHOLE TYPE 46	1.	EACH	9576.00	9576.00	10488.00	10488.00	8000.00	8000.00	7810.00	7810.00	1200.00	1200.00
630.1032	FURNISHING AND INSTALLING TWO 3-INCH PVC DUCTS IN PLAIN CONCRETE JACKET	45.	LIN FT	35.00	1575.00	37.95	1707.75	40.00	1800.00	39.00	1755.00	17.00	765.00
630.4040	FURNISHING AND INSTALLING 3-INCH PVC RISER BENDS	2.	EACH	193.00	386.00	210.45	420.90	80.00	160.00	77.00	154.00	350.00	700.00
632.7000	RESET WARNING, REGULATORY, AND CONSTRUCTION SIGN	10.	EACH	105.00	1050.00	161.00	1610.00	150.00	1500.00	154.00	1540.00	125.00	1250.00
636.0200	FIELD OFFICE (12 X 32) (NOT TO EXCEED \$16,000)	L.S.	L.S.	0.00	16000.00	0.00	16000.00	0.00	16000.00	0.00	15000.00	0.00	16000.00

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING
SOUTH OF FARRINGTON HIGHWAY TO THE
VICINITY OF RENTON ROAD
PROJECT NO. - FEDERAL AID URBAN SYSTEM PROJECT NO. M-7600(2)
TYPE CODES - 6202, Y005, Y003, Y080, Y060, X081
ISLAND- OAHU

DATES ADVERTISED - HONOLULU ADVERTISER - MAY 19, 21, 23, 1980
BIDS OPENED- JUNE 12, 1980
COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	DILLINGHAM CORP.		F. E. BLACK, LTD.		MOSEMAN CONSTR CO. & ROYAL CONTR CO., LTD.		OKADA TRUCKING CO. LTD		STATE OF HAWAII	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
636.1100	PROJECT SITE LABORATORY (NOT TO EXCEED \$6,000)	L.S.	L.S.	0.00	6000.00	0.00	6000.00	0.00	6000.00	0.00	5500.00	0.00	6000.00
639.0100	TEMPORARY PROJECT WATER POLLUTION CONTROL	F.A.	F.A.	0.00	20000.00	0.00	20000.00	0.00	20000.00	0.00	20000.00	0.00	20000.00
640.0400	LINED DRAINAGE DITCH, TYPE 4	535.	LIN FT	33.40	17869.00	26.91	14396.85	20.00	10700.00	34.00	18190.00	20.00	10700.00
641.0100	HYDRO-MULCH SEEDING	468880.	SQ FT	.14	65643.20	.16	75020.80	.15	70332.00	.15	70332.00	.05	23444.00
644.1000	TRAFFIC DELINEATORS	45.	EACH	28.00	1260.00	37.63	1693.35	30.00	1350.00	28.00	1260.00	30.00	1350.00
645.1000	CUSHION BARRIER	2.	EACH	30500.00	61000.00	33350.00	66700.00	24000.00	48000.00	31000.00	62000.00	25000.00	50000.00
646.0200	FURNISH AND INSTALL ONE 2-INCH DUCT IN PLAIN CONCRETE JACKET	45.	LIN FT	16.80	756.00	18.40	828.00	30.00	1350.00	32.00	1440.00	20.00	900.00
646.1200	INSTALL TWO 4-INCH DUCTS IN PLAIN CONCRETE JACKET	321.	LIN FT	22.80	7318.80	24.15	7752.15	50.00	16050.00	52.00	16692.00	21.00	6741.00
646.1220	INSTALL TWO 4-INCH SPLIT DUCTS AND ONE 4-INCH SPARE DUCT IN PLAIN CONCRETE JACKET	358.	LIN FT	45.50	16289.00	49.45	17703.10	55.00	19690.00	57.00	20406.00	46.50	16647.00
646.1400	INSTALL FOUR 4-INCH DUCTS IN PLAIN CONCRETE JACKET	455.	LIN FT	46.20	21021.00	50.60	23023.00	55.00	25025.00	56.00	25480.00	29.00	13195.00
646.1800	INSTALL EIGHT 4-INCH DUCTS IN PLAIN CONCRETE JACKET	185.	LIN FT	60.00	11100.00	65.55	12126.75	60.00	11100.00	61.00	11285.00	50.00	9250.00
646.1810	INSTALL EIGHT 4-INCH DUCTS IN PLAIN CONCRETE JACKET (2 WIDE X 4 DEEP)	110.	LIN FT	60.00	6600.00	65.55	7210.50	65.00	7150.00	66.00	7260.00	44.00	4840.00
646.1900	INSTALL TWO 4-INCH GALVANIZED STEEL PIPE, DIRECT BURIAL	370.	LIN FT	33.60	12432.00	36.80	13616.00	60.00	22200.00	63.00	23310.00	18.00	6660.00
646.3100	CONSTRUCT HTO PULLBOX TYPE 435TB (3 COVER)	1.	EACH	1880.00	1880.00	2058.50	2058.50	500.00	500.00	533.00	533.00	377.00	377.00
646.4000	CONSTRUCT HTO PULLBOX TYPE 436T	1.	EACH	200.00	200.00	218.50	218.50	200.00	200.00	188.00	188.00	104.00	104.00
646.4200	CONSTRUCT HTO MANHOLE TYPE A-1-6	3.	EACH	8925.00	26775.00	9775.00	29325.00	8000.00	24000.00	8250.00	24750.00	8000.00	24000.00
646.4300	CONSTRUCT HTO HANDHOLE TYPE 1	1.	EACH	6450.00	6450.00	7061.00	7061.00	6000.00	6000.00	6600.00	6600.00	3200.00	3200.00
646.4400	CONSTRUCT HTO MANHOLE TYPE A-3-8	1.	EACH	11090.00	11090.00	12141.70	12141.70	10000.00	10000.00	9900.00	9900.00	20000.00	20000.00
646.5100	FURNISH AND INSTALL 2-INCH PVC CONDUIT BEND	1.	EACH	255.00	255.00	279.45	279.45	50.00	50.00	42.00	42.00	30.00	30.00
646.5200	INSTALL 4-INCH PVC CONDUIT BEND	18.	EACH	202.00	3636.00	220.80	3974.40	60.00	1080.00	66.00	1188.00	24.00	432.00
647.0100	RECONSTRUCT HOAFAE WATER SYSTEM	L.S.	L.S.	0.00	10000.00	0.00	7554.00	0.00	7200.00	0.00	15300.00	0.00	4100.00
647.0300	ENCASE TONGG RANCH WATERLINE	L.S.	L.S.	0.00	4000.00	0.00	4995.00	0.00	3000.00	0.00	7400.00	0.00	1600.00
648.0101	30-INCH REINFORCED CONCRETE LOW-HEAD PRESSURE PIPE FOR IRRIGATION SYSTEM	1236.	LIN FT	78.50	97026.00	64.95	80278.20	66.00	81576.00	57.00	70452.00	32.00	39552.00
648.0301	TYPE SG-1 SAFETY GRATE (DOMESTIC STEEL)	10.	EACH	210.00	2100.00	141.95	1419.50	400.00	4000.00	345.00	3450.00	300.00	3000.00
648.0401	TYPE TR-1 TRASH RACK (DOMESTIC STEEL)	10.	EACH	190.00	1900.00	147.61	1476.10	400.00	4000.00	380.00	3800.00	260.00	2600.00
648.0601	TYPE 1-I LINED IRRIGATION CHANNEL	165.	LIN FT	30.30	4999.50	78.00	12870.00	20.00	3300.00	27.00	4455.00	17.00	2805.00
648.0602	TYPE 2-I LINED IRRIGATION CHANNEL	20.	LIN FT	32.50	650.00	75.01	1500.20	23.00	460.00	30.00	600.00	19.00	380.00
648.0603	TYPE 3-I LINED IRRIGATION CHANNEL	75.	LIN FT	22.50	1687.50	60.85	4563.75	18.00	1350.00	21.00	1575.00	13.00	975.00

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ITEM NO.	ITEM	QUANTITY	UNIT	DILLINGHAM CORP.		F. E. BLACK, LTD.		MOSEMAN CONSTR CO. & ROYAL CONTR CO., LTD.		OKADA TRUCKING CO. LTD		STATE OF HAWAII	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
648.0604	TYPE 4-I LINED IRRIGATION CHANNEL	35.	LIN FT	32.20	1127.00	66.63	2332.05	22.00	770.00	34.00	1190.00	21.00	735.00
648.0606	TYPE 6-I IRRIGATION CHANNEL (UNLINED)	90.	LIN FT	1.00	90.00	12.84	1155.60	25.00	2250.00	4.00	360.00	2.00	180.00
652.3000	RIPRAP, CLASS I	4780.	CU YD	43.00	205540.00	37.57	179584.60	67.00	320260.00	33.00	157740.00	25.00	119500.00
652.3001	RIPRAP, CLASS II	339.	CU YD	48.00	16272.00	47.84	16217.76	65.00	22035.00	77.00	26103.00	29.00	9831.00
652.3002	SAND PAD	2500.	CU YD	37.80	94500.00	31.43	78575.00	32.00	80000.00	33.00	82500.00	20.00	50000.00
652.3003	FILTER FABRIC	14995.	SQ YD	2.10	31489.50	2.09	31339.55	1.50	22492.50	5.00	74975.00	3.00	44985.00
660.0100	BITUMEN COATING	12580.	LIN FT	3.10	38998.00	8.99	113094.20	4.25	53465.00	4.60	57868.00	3.50	44030.00
666.1000	RECASING OF WELL 2101-03	L.S.	L.S.	0.00	13000.00	0.00	13326.00	0.00	5000.00	0.00	7500.00	0.00	5200.00
668.0100	PROTECTIVE MEASURES FOR STANDARD OIL COMPANY (CHEVRON U.S.A.) FACILITIES DURING CONSTRUCTION	F.A.	F.A.	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00	0.00	10000.00
669.1160	2-1/2 INCH COPPER PIPE, TYPE K FOR SPRINKLER SYSTEM	355.	LIN FT	14.90	5289.50	17.02	6042.10	10.00	3550.00	12.00	4260.00	10.00	3550.00
669.1381	6-INCH CAST IRON PIPE, CLASS 150, OR DUCTILE IRON PIPE, CLASS 52, OR ASBESTOS CEMENT PIPE, CLASS 200, FOR SPRINKLER SYSTEM	140.	LIN FT	20.00	2800.00	21.06	2948.40	15.00	2100.00	13.00	1820.00	20.00	2800.00
669.1383	INSTALL STATE-FURNISHED 10-INCH DUCTILE IRON PIPE, CLASS 52, WITH TWO END CAPS	164.	LIN FT	8.50	1394.00	10.82	1774.48	5.00	820.00	7.00	1148.00	13.00	2132.00
669.1390	2-INCH PVC CONDUIT, SCHEDULE 80 FOR SPRINKLER SYSTEM	665.	LIN FT	2.20	1463.00	2.30	1529.50	1.00	665.00	4.00	2660.00	3.50	2327.50
669.1395	TYPE CC1 PULLBOX FOR SPRINKLER SYSTEM	19.	EACH	401.00	7619.00	439.30	8346.70	400.00	7600.00	80.00	1520.00	250.00	4750.00
697.1000	FURNISHING AND MAINTAINING PROJECT VEHICLES - 4 DOOR SEDAN (NOT TO EXCEED \$400 PER VEH/MONTH)	16.	VEH/MO	400.00	6400.00	400.00	6400.00	400.00	6400.00	400.00	6400.00	400.00	6400.00
697.1001	FURNISHING AND MAINTAINING PROJECT VEHICLES - 1/2 TON PICKUP (NOT TO EXCEED \$400 PER VEH/MONTH)	32.	VEH/MO	400.00	12800.00	400.00	12800.00	400.00	12800.00	400.00	12800.00	400.00	12800.00
698.1000	TRAINING (6 TRAINEES)	6000.	HOURL	.80	4800.00	.80	4800.00	.80	4800.00	.80	4800.00	.80	4800.00
699.1000	MOBILIZATION (NOT TO EXCEED 6 PER CENT OF THE SU OF ALL ITEMS EXCLUDING THIS ITEM)(DOMESTIC STEEL)	L.S.	L.S.	0.00	424616.00	0.00	450000.00	0.00	460000.00	0.00	98000.00	0.00	442000.00
	SUM OF ALL ITEMS (BID I)				7760000.00		8175423.24		8323087.50		8509314.00		7815005.50
	I certify that this is a true and correct tabulation of bids opened for this project.												
	<u>Donald C. L. Lee</u> <u>6/13/80</u> Design Engineer Date												