

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING,
ROUTE H-1 TO SOUTH OF FARRINGTON HIGHWAY
PROJECT NO. - FEDERAL AID URBAN SYSTEM PROJECT NO. M-7600(1)
TYPE CODES - 6201, Y005, Y080, Y003, Y060, X281
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER - DECEMBER 14, 18, 20, 1978
BIDS OPENED - JANUARY 18, 1979
COMPLETION TIME - FOUR HUNDRED (400) WORKING DAYS

				DILLINGHAM CORPORATION		E E BLACK LTD		MOSEMAN CONSTR CO AND ROYAL CONTR CO LTD - A JOINT VENTURE		OKADA TRUCKING CO LTD		JAS W GLOVER LTD		STATE OF HAWAII	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	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	30000.00	0.00	30000.00	0.00	30000.00	0.00	30000.00	0.00	30000.00	0.00	30000.00
202.0100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	L.S.	0.00	32665.00	0.00	72828.00	0.00	40000.00	0.00	50000.00	0.00	70000.00	0.00	10000.00
203.0100	ROADWAY EXCAVATION	40700.	CU YD	7.00	284900.00	5.02	204314.00	6.00	244200.00	5.75	234025.00	7.00	284900.00	4.00	162800.00
203.0210	IMPORTED BORROW	142200.	CU YD	6.25	888750.00	5.75	817650.00	5.00	711000.00	8.50	1208700.00	7.50	1066500.00	6.00	853200.00
206.2020	STRUCTURE EXCAVATION FOR DRAINAGE SYSTEM	3580.	CU YD	21.00	75180.00	13.30	47614.00	12.00	42960.00	75.00	268500.00	43.00	153940.00	24.00	85920.00
206.2030	STRUCTURE EXCAVATION FOR SPRINKLER SYSTEM	250.	CU YD	22.00	5500.00	47.55	11887.50	20.00	5000.00	50.00	12500.00	70.00	17500.00	24.00	6000.00
206.2040	STRUCTURE EXCAVATION FOR WATER SYSTEM	608.	CU YD	31.00	18848.00	27.10	16476.80	20.00	12160.00	60.00	36480.00	42.00	25536.00	40.00	24320.00
206.2042	STRUCTURE EXCAVATION FOR WATER SYSTEM (WATER LINE A)	2420.	CU YD	20.00	48400.00	42.45	102729.00	30.00	72600.00	25.00	60500.00	42.00	101640.00	40.00	96800.00
206.2080	STRUCTURE EXCAVATION FOR GAS SYSTEM	98.	CU YD	27.00	2646.00	19.25	1886.50	40.00	3920.00	65.00	6370.00	75.00	7350.00	45.00	4410.00
206.5000	STRUCTURE EXCAVATION FOR RETAINING WALLS	400.	CU YD	7.25	2900.00	9.25	3700.00	20.00	8000.00	12.00	4800.00	10.00	4000.00	15.00	6000.00
206.6000	STRUCTURE EXCAVATION FOR BRIDGES	1090.	CU YD	11.00	11990.00	9.60	10464.00	20.00	21800.00	20.00	21800.00	16.00	17440.00	15.00	16350.00
206.7000	STRUCTURE BACKFILL	730.	CU YD	16.00	11680.00	20.00	14600.00	22.00	16060.00	16.60	12118.00	33.00	24090.00	15.00	10950.00
206.8000	FILTER MATERIAL	245.	CU YD	54.00	13230.00	20.05	4912.25	28.00	6860.00	18.80	4606.00	60.00	14700.00	30.00	7350.00
207.0100	DITCH AND CHANNEL EXCAVATION	125.	CU YD	12.00	1500.00	45.10	5637.50	25.00	3125.00	60.00	7500.00	43.00	5375.00	10.00	1250.00
304.1110	AGGREGATE BASE	18806.	CU YD	12.00	225672.00	17.50	329105.00	19.00	357314.00	24.00	451344.00	20.50	385523.00	18.00	338508.00
305.1110	AGGREGATE SUBBASE	38436.	CU YD	9.00	345924.00	14.30	549634.80	17.00	653412.00	12.50	480450.00	18.00	691848.00	14.00	538104.00
401.0300	ASPHALT CONCRETE PAVEMENT, MIX NO. III	8400.	TON	27.00	226800.00	28.35	238140.00	26.00	218400.00	26.90	225960.00	28.25	237300.00	31.00	260400.00
401.0500	ASPHALT CONCRETE PAVEMENT, MIX NO. V	10084.	TON	28.50	287394.00	29.90	301511.60	28.00	282352.00	28.50	287394.00	30.00	302520.00	33.00	332772.00
408.0100	MC-30 LIQUID ASPHALT FOR PRIME COAT	23400.	GAL	.90	21060.00	.80	18720.00	1.00	23400.00	.80	18720.00	.85	19890.00	1.00	23400.00
411.1300	CONCRETE IN APPROACH SLABS	110.	CU YD	280.00	30800.00	271.45	29859.50	160.00	17600.00	255.00	28050.00	290.00	31900.00	270.00	29700.00
503.0020	CLASS A CONCRETE FOR DRAINAGE SYSTEM	90.	CU YD	233.00	20970.00	509.70	45873.00	450.00	40500.00	450.00	40500.00	450.00	40500.00	270.00	24300.00
503.1051	CONCRETE IN RETAINING WALL (EXCEPT FOOTINGS)	L.S.	L.S.	0.00	11419.00	0.00	16278.00	0.00	15000.00	0.00	18500.00	0.00	19500.00	0.00	8700.00
503.1052	CONCRETE IN RETAINING WALL FOOTINGS	L.S.	L.S.	0.00	7230.00	0.00	6483.00	0.00	20000.00	0.00	6600.00	0.00	9300.00	0.00	5200.00
503.1092	CONCRETE IN BRIDGES (EXCEPT FOOTINGS AND COUNTERWEIGHTS)	L.S.	L.S.	0.00	1034287.00	0.00	807079.00	0.00	700000.00	0.00	993895.00	0.00	785000.00	0.00	614400.00
503.1093	CONCRETE IN BRIDGE FOOTINGS (INCLUDING PEDESTALS)	L.S.	L.S.	0.00	70230.00	0.00	112470.00	0.00	200000.00	0.00	76500.00	0.00	64000.00	0.00	57600.00
503.2019	CLASS B CONCRETE FOR 16-INCH GAS MAIN SLAB	15.	CU YD	119.45	1791.75	201.50	3022.50	125.00	1875.00	880.00	13200.00	250.00	3750.00	400.00	6000.00
503.2030	CLASS B CONCRETE FOR SPRINKLER SYSTEM	41.	CU YD	91.00	3731.00	283.30	11615.30	125.00	5125.00	250.00	10250.00	200.00	8200.00	200.00	8200.00
503.2050	CLASS B CONCRETE FOR WATER SYSTEM	6.	CU YD	189.00	1134.00	251.40	1508.40	500.00	3000.00	310.00	1860.00	450.00	2700.00	140.00	840.00
503.2052	CLASS B CONCRETE FOR WATER SYSTEM (WATER LINE A)	33.	CU YD	241.00	7953.00	298.30	9843.90	400.00	13200.00	175.00	5775.00	250.00	8250.00	140.00	4620.00
503.2150	CONCRETE IN COUNTERWEIGHT	L.S.	L.S.	0.00	88465.00	0.00	77500.00	0.00	200000.00	0.00	110000.00	0.00	80000.00	0.00	54000.00
504.6300	KEEHI TYPE VI PRESTRESSED CONCRETE GIRDER	2140.	LIN FT	96.00	205440.00	100.00	214000.00	90.00	192600.00	81.25	173875.00	93.00	199020.00	80.00	171200.00
505.0010	PILE LOAD TESTS	2.	EACH	3740.00	7480.00	9500.00	19000.00	6000.00	12000.00	6090.00	12180.00	6500.00	13000.00	7000.00	14000.00
505.0020	TEST PILES, DRIVEN	210.	LIN FT	17.50	3675.00	12.00	2520.00	15.00	3150.00	15.80	3318.00	16.50	3465.00	15.00	3150.00
505.0410	TYPE I PRESTRESSED CONCRETE PILES, FURNISHED	5970.	LIN FT	11.40	68058.00	8.00	47760.00	10.00	59700.00	7.50	44775.00	9.50	56715.00	10.00	59700.00

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505.4100	TYPE I PRESTRESSED CONCRETE PILES, DRIVEN	5220.	LIN FT	6.25	32625.00	6.00	31320.00	10.00	52200.00	9.20	48024.00	9.60	50112.00	10.00	52200.00
505.9000	EXTENSIONS OR 'BUILD-UPS' OF PILES	F.A.	F.A.	0.00	4000.00	0.00	4000.00	0.00	4000.00	0.00	4000.00	0.00	4000.00	0.00	4000.00
507.3600	BIKEWAY RAILING (DOMESTIC STEEL)	117.	LIN FT	34.00	3978.00	36.00	4212.00	35.00	4095.00	34.00	3978.00	36.00	4212.00	40.00	4680.00
507.7000	CONCRETE BRIDGE PARAPET, INCLUDING END POST	1185.	LIN FT	32.65	38690.25	30.00	35550.00	35.00	41475.00	40.00	47400.00	43.00	50955.00	35.00	41475.00
511.0100	DECK EXPANSION JOINTS (DOMESTIC STEEL)	200.	LIN FT	70.70	14140.00	72.45	14490.00	60.00	12000.00	20.00	4000.00	85.00	17000.00	40.00	8000.00
602.0050	REINFORCING STEEL IN RETAINING WALLS	L.S.	L.S.	0.00	3905.00	0.00	4096.00	0.00	5000.00	0.00	3900.00	0.00	4100.00	0.00	3000.00
602.0051	REINFORCING STEEL IN BRIDGES	L.S.	L.S.	0.00	269100.00	0.00	282285.00	0.00	300000.00	0.00	267750.00	0.00	281000.00	0.00	290880.00
602.1020	REINFORCING STEEL FOR DRAINAGE SYSTEM	1955.	LB	.50	977.50	.50	977.50	1.00	1955.00	.50	977.50*	.50	977.50	.50	977.50
602.1030	REINFORCING STEEL FOR SPRINKLER SYSTEM	1735.	LB	.40	694.00	.45	780.75	1.00	1735.00	.50	867.50	.50	867.50	.50	867.50
602.1040	REINFORCING STEEL FOR WATER SYSTEM	250.	LB	.55	137.50	.60	150.00	1.00	250.00	.55	137.50	.56	140.00	.50	125.00
602.1042	REINFORCING STEEL FOR WATER SYSTEM (WATER LINE A)	3400.	LB	.55	1870.00	.55	1870.00	1.00	3400.00	.55	1870.00	.56	1904.00	.50	1700.00
603.0010	BED COURSE MATERIAL FOR CULVERT	690.	CU YD	18.70	12903.00	16.75	11557.50	20.00	13800.00	22.70	15663.00	35.00	24150.00	20.00	13800.00
603.1088	24-INCH REINFORCED CONCRETE PIPE, CLASS V	320.	LIN FT	24.00	7680.00	32.50	10400.00	24.00	7680.00	26.70	8544.00	26.00	8320.00	30.00	9600.00
603.6300	60-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.138 INCH OR														
603.6340	54-INCH REINFORCED CONCRETE PIPE, CLASS III 60-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.138 INCH OR	644.	LIN FT	59.50	38318.00	59.50	38318.00	40.00	25760.00	56.25	36225.00	69.00	44436.00	70.00	45080.00
603.7260	60-INCH REINFORCED CONCRETE PIPE, CLASS III 30-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.079 INCH OR	580.	LIN FT	71.50	41470.00	61.20	35496.00	48.00	27840.00	66.40	38512.00	69.00	40020.00	75.00	43500.00
603.7380	24-INCH REINFORCED CONCRETE PIPE, CLASS III OR 24-INCH ASBESTOS CEMENT PIPE, CLASS III 36-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109 INCH OR	1807.	LIN FT	21.50	38850.50	19.62	35453.34	24.00	43368.00	17.00	30719.00	23.00	41561.00	20.00	36140.00
604.0162	30-INCH REINFORCED CONCRETE PIPE, CLASS III OR 30-INCH ASBESTOS CEMENT PIPE, CLASS III	148.	LIN FT	28.00	4144.00	32.38	4792.24	30.00	4440.00	23.50	3478.00	35.00	5180.00	26.00	3848.00
604.2150	BRICKWALL FOR TYPE A WATER MANHOLES (WATER LINE A)	15.	LIN FT	370.60	5559.00	201.87	3028.05	170.00	2550.00	135.00	2025.00	300.00	4500.00	350.00	5250.00
604.2252	TYPE A CAST IRON FRAME AND COVER	6.	EACH	197.00	1182.00	295.30	1771.80	200.00	1200.00	235.00	1410.00	210.00	1260.00	190.00	1140.00
604.2160	6-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE (WATER LINE A)	2.	EACH	87.00	174.00	82.00	164.00	100.00	200.00	90.00	180.00	90.00	180.00	50.00	100.00
604.2262	TYPE B CAST IRON FRAME AND COVER	1.	EACH	197.00	197.00	485.30	485.30	220.00	220.00	255.00	255.00	250.00	250.00	200.00	200.00
604.2320	20-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE (WATER LINE A)	2.	EACH	233.00	466.00	219.75	439.50	200.00	400.00	215.00	430.00	160.00	320.00	140.00	280.00
	TYPE A-12 STEEL FRAME AND GRATE (DOMESTIC STEEL)	1.	EACH	537.50	537.50	447.70	447.70	400.00	400.00	410.00	410.00	525.00	525.00	400.00	400.00

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ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
604.2330	TYPE 61614 STEEL FRAME AND GRATE (DOMESTIC STEEL)	8.	EACH	797.00	6376.00	824.40	6595.20	420.00	3360.00	730.00	5840.00	750.00	6000.00	800.00	6400.00
604.2340	TYPE 61616 STEEL FRAME AND GRATE (DOMESTIC STEEL)	6.	EACH	1050.00	6300.00	896.55	5379.30	420.00	2520.00	795.00	4770.00	1000.00	6000.00	900.00	5400.00
604.2350	TYPE 61214 STEEL FRAME AND GRATE (DOMESTIC STEEL)	4.	EACH	842.00	3368.00	861.10	3444.40	700.00	2800.00	755.00	3020.00	750.00	3000.00	900.00	3600.00
604.4010	ADJUSTING MANHOLE FRAME AND COVER	1.	EACH	677.00	677.00	588.85	588.85	400.00	400.00	160.00	160.00	130.00	130.00	250.00	250.00
604.4011	ADJUSTING HANDHOLE FRAME AND COVER	3.	EACH	685.00	2055.00	284.75	854.25	200.00	600.00	125.00	375.00	130.00	390.00	150.00	450.00
604.4560	ADJUSTING WATER VALVE BOX TO NEW GRADE	2.	EACH	685.00	1370.00	276.45	552.90	300.00	600.00	210.00	420.00	120.00	240.00	125.00	250.00
606.3110	GUARD RAIL, TYPE 3 - SINGLE WITH STEEL POST (DOMESTIC Steel)	3745.	LIN FT	15.00	56175.00	15.75	58983.75	17.00	63665.00	15.00	56175.00	16.00	59920.00	16.00	59920.00
606.4200	CONCRETE GUARD RAIL	653.	LIN FT	42.00	27426.00	51.80	33825.40	35.00	22855.00	56.00	36568.00	41.00	26773.00	35.00	22855.00
607.0040	4-FEET CHAIN LINK FENCE WITH TOP RAIL AND CONCRETE FOOTINGS	560.	LIN FT	9.60	5376.00	10.20	5712.00	10.00	5600.00	9.70	5432.00	10.50	5880.00	7.00	3920.00
609.2020	CURB, TYPE 2D	120.	LIN FT	6.35	762.00	8.33	999.60	12.00	1440.00	6.00	720.00	9.00	1080.00	7.00	840.00
609.2218	GUTTER, TYPE 2 (61218)	820.	LIN FT	17.35	14227.00	13.23	10848.60	15.00	12300.00	20.00	16400.00	15.50	12710.00	8.50	6970.00
609.2614	GUTTER, TYPE 2 (61614)	2505.	LIN FT	9.15	22920.75	6.75	16908.75	10.00	25050.00	10.20	25551.00	7.60	19038.00	8.00	20040.00
609.2720	CURB AND GUTTER, TYPE 2DG	920.	LIN FT	8.45	7774.00	8.33	7663.60	11.00	10120.00	10.00	9200.00	9.00	8280.00	7.50	6900.00
612.0100	GROUTED RUBBLE PAVING	325.	CU YD	129.40	42055.00	146.75	47693.75	150.00	48750.00	85.00	27625.00	160.00	52000.00	150.00	48750.00
613.0100	CENTERLINE MONUMENTS	5.	EACH	88.25	441.25	182.65	913.25	120.00	600.00	245.00	1225.00	100.00	500.00	40.00	200.00
621.0200	PANEL FOR DESTINATION SIGN	200.	SQ FT	40.00	8000.00	42.05	8410.00	40.00	8000.00	40.00	8000.00	42.00	8400.00	25.00	5000.00
621.1300	BREAKAWAY SIGN POST AND FOUNDATION FOR DESTINATION SIGN (DOMESTIC STEEL)	10.	EACH	1200.00	12000.00	1262.00	12620.00	1200.00	12000.00	1200.00	12000.00	1255.00	12550.00	750.00	7500.00
621.4000	REFLECTOR MARKER	12.	EACH	15.00	180.00	15.50	186.00	15.00	180.00	14.50	174.00	16.00	192.00	13.00	156.00
621.4100	REFLECTOR MARKER WITH POST	145.	EACH	20.00	2900.00	21.05	3052.25	20.00	2900.00	20.00	2900.00	21.00	3045.00	20.00	2900.00
621.5000	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS)	9.	EACH	115.00	1035.00	121.75	1095.75	120.00	1080.00	115.00	1035.00	121.00	1089.00	175.00	1575.00
621.5100	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS) WITH POST	24.	EACH	252.00	6048.00	265.70	6376.80	260.00	6240.00	250.00	6000.00	265.00	6360.00	200.00	4800.00
621.5400	REGULATORY AND WARNING SIGN (CONSTRUCTION)	40.	EACH	231.00	9240.00	243.55	9742.00	250.00	10000.00	230.00	9200.00	245.00	9800.00	200.00	8000.00
621.5500	REGULATORY AND WARNING SIGN (CONSTRUCTION) WITH POST	54.	EACH	252.00	13608.00	265.70	14347.80	260.00	14040.00	250.00	13500.00	265.00	14310.00	220.00	11880.00
622.7002	METAL LIGHTING STANDARD ON GRADE (DOMESTIC STEEL)	23.	EACH	1280.00	29440.00	1349.40	31036.20	1300.00	29900.00	1280.00	29440.00	1650.00	37950.00	2800.00	64400.00
622.7003	METAL LIGHTING STANDARD ON GRADE, TWIN ARM (DOMESTIC STEEL)	26.	EACH	1600.00	41600.00	1687.10	43864.60	1600.00	41600.00	1600.00	41600.00	2050.00	53300.00	3700.00	96200.00
622.7006	UNDERDECK LUMINAIRE	4.	EACH	1210.00	4840.00	1275.25	5101.00	1200.00	4800.00	1210.00	4840.00	1500.00	6000.00	1200.00	4800.00
622.7008	WIRE, 600 VOLT, I/C, #6	L.S.	L.S.	0.00	35000.00	0.00	36976.00	0.00	35000.00	0.00	35000.00	0.00	19000.00	0.00	28500.00
622.7009	WIRE, 600 VOLT, I/C, #4	L.S.	L.S.	0.00	8500.00	0.00	8956.00	0.00	8400.00	0.00	8500.00	0.00	6500.00	0.00	17000.00
622.7015	UNDERGROUND RACEWAY, LTG. SYSTEM	L.S.	L.S.	0.00	69850.00	0.00	73647.00	0.00	70000.00	0.00	69500.00	0.00	125000.00	0.00	99920.00
622.7016	PULLBOX, TYPE CC, LTG. SYSTEM	54.	EACH	357.00	19278.00	376.40	20325.60	350.00	18900.00	350.00	18900.00	215.00	11610.00	400.00	21600.00
622.7017	LIGHTING SYSTEM APPURTENANCES	L.S.	L.S.	0.00	22560.00	0.00	23792.00	0.00	23000.00	0.00	22500.00	0.00	22000.00	0.00	37700.00

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PROJECT NO. - FEDERAL AID URBAN SYSTEM PROJECT NO. M-7600(1)
TYPE CODES - 6201, Y005, Y080, Y003, Y060, X281
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER - DECEMBER 14, 18, 20, 1978
BIDS OPENED - JANUARY 18, 1979
COMPLETION TIME - FOUR HUNDRED (400) WORKING DAYS

				DILLINGHAM CORPORATION		E E BLACK LTD		MOSEMAN CONSTR CO AND ROYAL CONTR CO LTD - A JOINT VENTURE		OKADA TRUCKING CO LTD		JAS W GLOVER LTD		STATE OF HAWAII	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
622.7018	3-INCH RACEWAY IN STRUCTURE	L.S.	L.S.	0.00	9660.00	0.00	10187.00	0.00	11000.00	0.00	9500.00	0.00	7500.00	0.00	12000.00
623.5001	FURNISH AND INSTALL ONE 2-INCH CONDUIT	L.S.	L.S.	0.00	14880.00	0.00	15693.00	0.00	15000.00	0.00	14750.00	0.00	24000.00	0.00	13800.00
623.5011	FURNISH AND INSTALL TWO 2-INCH CONDUITS	L.S.	L.S.	0.00	2660.00	0.00	2807.00	0.00	2800.00	0.00	2650.00	0.00	3400.00	0.00	1920.00
623.5021	FURNISH AND INSTALL THREE 2-INCH CONDUITS	L.S.	L.S.	0.00	1650.00	0.00	1735.00	0.00	1700.00	0.00	1650.00	0.00	2400.00	0.00	1300.00
623.5091	FURNISH AND INSTALL FOUR 2-INCH CONDUITS	L.S.	L.S.	0.00	1570.00	0.00	1657.00	0.00	1600.00	0.00	1575.00	0.00	1600.00	0.00	840.00
623.7010	FURNISH AND INSTALL ONE - 2 CONDUCTOR #14 LOOP DETECTOR CABLE	L.S.	L.S.	0.00	550.00	0.00	578.00	0.00	600.00	0.00	550.00	0.00	3600.00	0.00	320.00
623.7020	FURNISH AND INSTALL ONE - 19 CONDUCTOR #14 LOOP CONTROL CABLE	L.S.	L.S.	0.00	2220.00	0.00	2340.00	0.00	2200.00	0.00	2200.00	0.00	1650.00	0.00	900.00
623.7040	FURNISH AND INSTALL ONE - 2 CONDUCTOR #6 POWER CABLE	L.S.	L.S.	0.00	330.00	0.00	349.00	0.00	400.00	0.00	330.00	0.00	900.00	0.00	200.00
623.9010	PULLBOX, TYPE CC, TRAFFIC SIGNAL SYSTEM	19.	EACH	378.00	7182.00	398.50	7571.50	370.00	7030.00	375.00	7125.00	225.00	4275.00	400.00	7600.00
623.9012	TRAFFIC SIGNAL SYSTEM NO. 1-2 (DOMESTIC STEEL)	L.S.	L.S.	0.00	7870.00	0.00	8298.00	0.00	8000.00	0.00	7875.00	0.00	9000.00	0.00	6000.00
624.0050	UNTREATED BASE FOR WATER LINE A	67.	CU YD	21.00	1407.00	15.15	1015.05	22.00	1474.00	30.00	2010.00	37.00	2479.00	25.00	1675.00
624.0051	UNTREATED BASE FOR WATER SYSTEM	20.	CU YD	20.00	400.00	25.20	504.00	20.00	400.00	30.00	600.00	37.00	740.00	25.00	500.00
624.0055	STRUCTURAL STEEL FOR WATER SYSTEM (DOMESTIC STEEL)	400.	LB	.95	380.00	2.40	960.00	4.00	1600.00	1.50	600.00	2.50	1000.00	4.00	1600.00
624.1050	FURNISHING AND INSTALLING 20-INCH DUCTILE IRON PIPE (CLASS 52) FOR WATER LINE A	75.	LIN FT	111.60	8370.00	58.65	4398.75	50.00	3750.00	30.00	2250.00	51.00	3825.00	45.00	3375.00
624.1052	FURNISHING AND INSTALLING 24-INCH DUCTILE IRON PIPE (CLASS 52) OR 24-INCH CONCRETE CYLINDER PIPE (CLASS 150) FOR WATER LINE A	2570.	LIN FT	47.30	121561.00	38.35	98559.50	60.00	154200.00	37.40	96118.00	53.00	136210.00	40.00	102800.00
624.1144	FURNISHING AND INSTALLING 30-INCH CONCRETE CYLINDER PIPE (CLASS 150)	647.	LIN FT	108.00	69876.00	75.00	48525.00	80.00	51760.00	73.00	47231.00	93.00	60171.00	65.00	42055.00
624.1267	FURNISHING AND INSTALLING 20-INCH BUTTERFLY VALVE (CLASS 150), FLANGED ENDS, FOR WATER LINE A	1.	EACH	3000.00	3000.00	3086.00	3086.00	2000.00	2000.00	1950.00	1950.00	2750.00	2750.00	3500.00	3500.00
624.1268	FURNISHING AND INSTALLING 24-INCH BUTTERFLY VALVE (CLASS 150), FLANGED ENDS, FOR WATER	1.	EACH	4300.00	4300.00	3190.45	3190.45	3000.00	3000.00	2900.00	2900.00	4000.00	4000.00	5000.00	5000.00
624.1284	LINE A FURNISHING AND INSTALLING 30-INCH SPLIT BUTT STRAP	2.	EACH	1300.00	2600.00	618.05	1236.10	1000.00	2000.00	610.00	1220.00	1880.00	3760.00	650.00	1300.00
624.1484	FURNISHING AND INSTALLING 30-INCH CONCRETE CYLINDER BEND (0 DEG TO 22.5 DEG INCLUSIVE) (CLASS 150)	2.	EACH	1650.00	3300.00	1630.30	3260.60	1200.00	2400.00	1295.00	2590.00	1650.00	3300.00	600.00	1200.00
624.1514	FURNISHING AND INSTALLING 30-INCH CONCRETE CYLINDER BEND (OVER 22.5 DEG TO 90 DEG INCLUSIVE) (CLASS 150)	1.	EACH	2680.00	2680.00	2126.00	2126.00	2000.00	2000.00	2020.00	2020.00	2250.00	2250.00	1400.00	1400.00

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING,
ROUTE H-1 TO SOUTH OF FARRINGTON HIGHWAY
PROJECT NO. - FEDERAL AID URBAN SYSTEM PROJECT NO. M-7600(1)
TYPE CODES - 6201, Y005, Y080, Y003, Y060, X281
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER - DECEMBER 14, 18, 20, 1978
BIDS OPENED - JANUARY 18, 1979
COMPLETION TIME - FOUR HUNDRED (400) WORKING DAYS

				DILLINGHAM CORPORATION		E E BLACK LTD		MOSEMAN CONSTR CO AND ROYAL CONTR CO LTD - A JOINT VENTURE		OKADA TRUCKING CO LTD		JAS W GLOVER LTD		STATE OF HAWAII	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
624.1642	FURNISHING AND INSTALLING CAST IRON FITTINGS (WATER LINE A)	6710.	LB	1.40	9394.00	1.35	9058.50	3.00	20130.00	1.30	8723.00	1.80	12078.00	2.00	13420.00
624.1652	FURNISHING AND INSTALLING 24-INCH CONCRETE CYLINDER BEND (0 DEG TO 22.5 DEG. INCLUSIVE) (CLASS 150) OR 24-INCH 1/16 CAST IRON BEND (CLASS 150) FOR WATER LINE A	2.	EACH	1110.00	2220.00	844.55	1689.10	1000.00	2000.00	1075.00	2150.00	1165.00	2330.00	550.00	1100.00
624.1653	FURNISHING AND INSTALLING 24-INCH CONCRETE CYLINDER BEND (OVER 22.5 DEG TO 45 DEG. INCLUSIVE) (CLASS 150) OR 24-INCH 1/8 CAST IRON BEND (CLASS 150) FOR WATER LINE A	3.	EACH	1110.00	3330.00	1111.45	3334.35	1200.00	3600.00	1330.00	3990.00	1200.00	3600.00	650.00	1950.00
624.1662	FURNISHING AND INSTALLING 24-INCH CONCRETE CYLINDER ADAPTOR, F AND B, OR 24-INCH CAST IRON ADAPTOR, F AND B, FOR WATER LINE A	1.	EACH	800.00	800.00	1401.30	1401.30	1300.00	1300.00	1335.00	1335.00	900.00	900.00	750.00	750.00
624.1663	FURNISHING AND INSTALLING 24-INCH CONCRETE CYLINDER ADAPTOR, F AND S OR 24-INCH CAST IRON ADAPTOR, F AND S, FOR WATER LINE A	1.	EACH	800.00	800.00	1401.30	1401.30	1000.00	1000.00	605.00	605.00	760.00	760.00	750.00	750.00
624.1664	FURNISHING AND INSTALLING 30-INCH X 24-INCH CONCRETE CYLINDER TEE (CLASS 150) OR 30-INCH X 24-INCH CONCRETE CYLINDER TEE WITH 24-INCH BELL OUTLET TO FIT DUCTILE IRON PIPE (OD 25.80 INCHES) FOR WATER LINE A	1.	EACH	3240.00	3240.00	2584.75	2584.75	2600.00	2600.00	2375.00	2375.00	2750.00	2750.00	3500.00	3500.00
624.1665	FURNISHING AND INSTALLING 30-INCH CONCRETE CYLINDER NIPPLE, 3.0 FEET LONG, S AND PE, (CLASS 150) FOR WATER LINE A	2.	EACH	920.00	1840.00	691.50	1383.00	500.00	1000.00	820.00	1640.00	825.00	1650.00	350.00	700.00
624.1666	FURNISHING AND INSTALLING 30-INCH BUTT STRAP FOR WATER LINE A	2.	EACH	1000.00	2000.00	618.15	1236.30	1000.00	2000.00	610.00	1220.00	1880.00	3760.00	650.00	1300.00
624.1667	FURNISHING AND INSTALLING 20-INCH CHECK VALVE ASSEMBLY FOR WATER LINE A	L.S.	L.S.	0.00	17000.00	0.00	18171.00	0.00	16000.00	0.00	17000.00	0.00	18500.00	0.00	25000.00
624.9000	CHLORINATION OF NEW WATER MAINS	L.S.	L.S.	0.00	430.00	0.00	360.00	0.00	2500.00	0.00	1500.00	0.00	500.00	0.00	2500.00
624.9002	CHLORINATION OF NEW WATER MAINS (WATER LINE A)	L.S.	L.S.	0.00	1640.00	0.00	1384.00	0.00	2500.00	0.00	1000.00	0.00	1500.00	0.00	2500.00
626.0100	TYPE I BARRICADES	38.	EACH	148.00	5624.00	133.40	5069.20	110.00	4180.00	97.00	3686.00	155.00	5890.00	100.00	3800.00
626.0300	TYPE III BARRICADES	28.	EACH	478.00	13384.00	591.10	16550.80	350.00	9800.00	515.00	14420.00	725.00	20300.00	350.00	9800.00
629.1010	PAVEMENT STRIPING	39300.	LIN FT	.34	13362.00	.40	15720.00	.40	15720.00	.35	13755.00	.47	18471.00	.25	9825.00
629.1030	PAVEMENT ARROWS	8.	EACH	37.00	296.00	38.75	310.00	40.00	320.00	37.00	296.00	65.00	520.00	45.00	360.00
629.2010	TYPE A PAVEMENT MARKERS	1440.	EACH	2.40	3456.00	2.50	3600.00	2.50	3600.00	2.40	3456.00	2.50	3600.00	1.75	2520.00
629.2030	TYPE C PAVEMENT MARKERS	610.	EACH	4.20	2562.00	4.40	2684.00	4.50	2745.00	4.20	2562.00	5.50	3355.00	4.00	2440.00

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ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
629.2070	TYPE H PAVEMENT MARKERS	510.	EACH	3.90	1989.00	4.15	2116.50	4.00	2040.00	4.00	2040.00	5.50	2805.00	5.00	2550.00
630.0111	CONSTRUCT HECO MANHOLE TYPE 1	2.	EACH	8100.00	16200.00	8542.70	17085.40	7717.00	15434.00	8100.00	16200.00	7800.00	15600.00	6500.00	13000.00
630.0141	CONSTRUCT HECO MANHOLE TYPE 4	2.	EACH	9165.00	18330.00	9663.00	19326.00	8729.00	17458.00	9150.00	18300.00	11500.00	23000.00	7200.00	14400.00
630.0201	CONSTRUCT HECO HANDHOLE TYPE 1	3.	EACH	370.00	1110.00	390.75	1172.25	353.00	1059.00	370.00	1110.00	675.00	2025.00	400.00	1200.00
630.0220	CONSTRUCT HECO HANDHOLE TYPE 611V	1.	EACH	6645.00	6645.00	7004.00	7004.00	6327.00	6327.00	6500.00	6500.00	9500.00	9500.00	6000.00	6000.00
630.1000	CONSTRUCT TRANSFORMER CONCRETE PAD	1.	EACH	684.00	684.00	720.65	720.65	651.00	651.00	675.00	675.00	500.00	500.00	400.00	400.00
630.1011	FURNISHING AND INSTALLING ONE 2-INCH DUCT IN PLAIN CONCRETE JACKET	645.	LIN FT	12.60	8127.00	13.30	8578.50	12.00	7740.00	12.60	8127.00	11.00	7095.00	20.00	12900.00
630.1031	FURNISHING AND INSTALLING TWO 3-INCH DUCTS IN PLAIN CONCRETE JACKET	80.	LIN FT	17.00	1360.00	17.90	1432.00	17.00	1360.00	17.00	1360.00	31.00	2480.00	25.00	2000.00
630.1076	FURNISHING AND INSTALLING THREE 4-INCH DUCTS IN PLAIN CONCRETE JACKET	148.	LIN FT	20.50	3034.00	21.60	3196.80	20.00	2960.00	20.50	3034.00	32.00	4736.00	40.00	5920.00
630.1078	FURNISHING AND INSTALLING ONE 5-INCH DUCT IN PLAIN CONCRETE JACKET	275.	LIN FT	12.80	3520.00	13.55	3726.25	13.00	3575.00	12.80	3520.00	15.00	4125.00	40.00	11000.00
630.1079	FURNISHING AND INSTALLING TWO 5-INCH DUCTS IN PLAIN CONCRETE JACKET	490.	LIN FT	18.40	9016.00	19.35	9481.50	18.00	8820.00	18.30	8967.00	28.00	13720.00	45.00	22050.00
630.1080	FURNISHING AND INSTALLING THREE 5-INCH DUCTS IN PLAIN CONCRETE JACKET	30.	LIN FT	42.50	1275.00	44.85	1345.50	41.00	1230.00	42.00	1260.00	64.00	1920.00	50.00	1500.00
630.1116	FURNISHING AND INSTALLING ONE 3-INCH DUCT AND ON 5-INCH DUCT IN PLAIN CONCRETE JACKET	84.	LIN FT	18.00	1512.00	19.10	1604.40	18.00	1512.00	18.00	1512.00	26.00	2184.00	45.00	3780.00
630.1117	FURNISHING AND INSTALLING ONE 3-INCH DUCT AND TW 5-INCH DUCTS IN PLAIN CONCRETE JACKET	196.	LIN FT	23.00	4508.00	24.35	4772.60	22.00	4312.00	23.00	4508.00	39.00	7644.00	50.00	9800.00
630.1118	FURNISHING AND INSTALLING FOUR 4-INCH DUCTS AND FOUR 5-INCH DUCTS IN PLAIN CONCRETE JACKET	795.	LIN FT	55.60	44202.00	58.65	46626.75	53.00	42135.00	55.60	44202.00	68.00	54060.00	70.00	55650.00
630.1120	FURNISHING AND INSTALLING TWO 3-INCH DUCTS, FOUR 4-INCH DUCTS AND FOUR 5-INCH DUCTS IN PLAIN CONCRETE JACKET	87.	LIN FT	63.00	5481.00	66.40	5776.80	60.00	5220.00	63.00	5481.00	80.00	6960.00	80.00	6960.00
630.4020	FURNISHING AND INSTALLING 2-INCH RISER BENDS	1.	EACH	260.00	260.00	274.55	274.55	250.00	250.00	260.00	260.00	210.00	210.00	150.00	150.00
630.4040	FURNISHING AND INSTALLING 3-INCH RISER BENDS	2.	EACH	364.00	728.00	383.90	767.80	350.00	700.00	360.00	720.00	230.00	460.00	160.00	320.00
630.4060	FURNISHING AND INSTALLING 4-INCH RISER BENDS	6.	EACH	270.00	1620.00	283.40	1700.40	260.00	1560.00	265.00	1590.00	275.00	1650.00	180.00	1080.00
630.4100	FURNISHING AND INSTALLING 5-INCH RISER BENDS	5.	EACH	320.00	1600.00	336.95	1684.75	305.00	1525.00	320.00	1600.00	450.00	2250.00	200.00	1000.00
632.7000	RESET WARNING REGULATION AND CONSTRUCTION SIGN	15.	EACH	21.00	315.00	155.00	2325.00	100.00	1500.00	150.00	2250.00	90.00	1350.00	125.00	1875.00
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	15500.00	0.00	16000.00	0.00	16000.00
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	5250.00	0.00	6000.00	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	0.00	20000.00
640.0100	LINED DRAINAGE DITCH TYPE 1	1250.	LIN FT	9.74	12175.00	12.15	15187.50	9.00	11250.00	11.20	14000.00	13.00	16250.00	12.00	15000.00

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ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
640.0200	LINED DRAINAGE DITCH TYPE 2	100.	LIN FT	15.00	1500.00	17.25	1725.00	10.00	1000.00	17.10	1710.00	19.00	1900.00	15.00	1500.00
640.0300	LINED DRAINAGE DITCH TYPE 3	25.	LIN FT	13.40	335.00	17.45	436.25	15.00	375.00	14.40	360.00	15.00	375.00	20.00	500.00
641.0100	HYDRO-MULCH SEEDING	710000.	SQ FT	.05	35500.00	.06	42600.00	.05	35500.00	.05	35500.00	.06	42600.00	.20	142000.00
644.1000	TRAFFIC DELINEATORS	240.	EACH	27.85	6684.00	31.15	7476.00	25.00	6000.00	14.00	3360.00	15.00	3600.00	25.00	6000.00
645.1000	CUSHION BARRIER	2.	EACH	26285.00	52570.00	27398.25	54796.50	25000.00	50000.00	25725.00	51450.00	27500.00	55000.00	30000.00	60000.00
646.0200	FURNISH AND INSTALL ONE 2-INCH DUCT IN PLAIN CONCRETE JACKET	228.	LIN FT	8.50	1938.00	8.85	2017.80	9.00	2052.00	8.00	1824.00	16.00	3648.00	35.00	7980.00
646.1100	INSTALL ONE 4-INCH DUCT IN PLAIN CONCRETE JACKET	212.	LIN FT	13.50	2862.00	14.40	3052.80	14.00	2968.00	13.50	2862.00	17.00	3604.00	35.00	7420.00
646.1200	INSTALL TWO 4-INCH DUCTS IN PLAIN CONCRETE JACKET	576.	LIN FT	13.50	7776.00	14.40	8294.40	14.00	8064.00	14.00	8064.00	27.00	15552.00	40.00	23040.00
646.1300	INSTALL THREE 4-INCH DUCTS IN PLAIN CONCRETE JACKET	15.	LIN FT	20.00	300.00	21.50	322.50	21.00	315.00	20.00	300.00	39.00	585.00	42.00	630.00
646.1400	INSTALL FOUR 4-INCH DUCTS IN PLAIN CONCRETE JACKET	136.	LIN FT	24.00	3264.00	25.45	3461.20	25.00	3400.00	24.00	3264.00	40.00	5440.00	45.00	6120.00
646.1600	INSTALL SIX 4-INCH DUCTS IN PLAIN CONCRETE JACKET	1587.	LIN FT	18.00	28566.00	18.80	29835.60	18.00	28566.00	18.00	28566.00	43.00	68241.00	55.00	87285.00
646.1900	INSTALL NINE 4-INCH DUCTS IN PLAIN CONCRETE JACKET	75.	LIN FT	25.20	1890.00	26.55	1991.25	25.00	1875.00	25.00	1875.00	57.00	4275.00	65.00	4875.00
646.3000	EXCAVATING AND BACKFILLING FOR WOLF CABLE	3060.	LIN FT	8.40	25704.00	8.85	27081.00	9.00	27540.00	8.40	25704.00	15.00	45900.00	10.00	30600.00
646.3200	EXCAVATING AND BACKFILLING FOR SIGNAL CORPS CABLE	460.	LIN FT	8.40	3864.00	8.85	4071.00	9.00	4140.00	8.40	3864.00	12.00	5520.00	10.00	4600.00
646.3900	DEMOLISH EXISTING TELEPHONE HANDHOLE AFTER REMOVAL OF EXISTING CABLES	1.	EACH	242.00	242.00	254.60	254.60	500.00	500.00	240.00	240.00	2000.00	2000.00	500.00	500.00
646.4000	CONSTRUCT HTCO TYPE 435TB PULLBOX	6.	EACH	270.00	1620.00	285.60	1713.60	300.00	1800.00	270.00	1620.00	475.00	2850.00	1500.00	9000.00
646.4100	CONSTRUCT SMALL CORNER TYPE MANHOLE	2.	EACH	5935.00	11870.00	6256.75	12513.50	6500.00	13000.00	5900.00	11800.00	8100.00	16200.00	6000.00	12000.00
646.4200	CONSTRUCT HTCO TYPE A-3-6 MANHOLE	3.	EACH	5560.00	16680.00	5861.55	17584.65	6500.00	19500.00	5550.00	16650.00	7000.00	21000.00	7000.00	21000.00
646.4300	DEMOLISH EXISTING TELEPHONE MANHOLE AND EXISTING CONCRETE ENVELOPES AND CONSTRUCT HTCO TYPE A-3-6 MANHOLE	1.	EACH	8000.00	8000.00	8440.90	8440.90	9000.00	9000.00	8000.00	8000.00	12000.00	12000.00	10000.00	10000.00
646.5100	INSTALL 4-INCH GALVANIZED RIGID STEEL CONDUIT	10.	EACH	112.00	1120.00	117.80	1178.00	120.00	1200.00	110.00	1100.00	230.00	2300.00	180.00	1800.00
647.1160	BEND 2-1/2 INCH COPPER PIPE, TYPE K, FOR SPRINKLER SYSTEM	830.	LIN FT	7.50	6225.00	13.70	11371.00	7.00	5810.00	7.00	5810.00	10.00	8300.00	15.00	12450.00
647.1380	4-INCH CAST IRON PIPE, CLASS 150 OR DUCTILE IRON PIPE, CLASS 52 OR ASBESTOS CEMENT PIPE, CLASS 20 FOR SPRINKLER SYSTEM	42.	LIN FT	13.00	546.00	15.90	667.80	10.00	420.00	7.50	315.00	18.00	756.00	15.00	630.00
647.1382	8-INCH CAST IRON PIPE, CLASS 150 OR DUCTILE IRON PIPE, CLASS 52 OR ASBESTOS CEMENT PIPE, CLASS 20 FOR SPRINKLER SYSTEM	44.	LIN FT	23.00	1012.00	23.50	1034.00	12.00	528.00	10.00	440.00	23.00	1012.00	20.00	880.00

DATES ADVERTISED - HONOLULU ADVERTISER - DECEMBER 14, 18, 20, 1978
BIDS OPENED - JANUARY 18, 1979
COMPLETION TIME - FOUR HUNDRED (400) WORKING DAYS

SHT NO. 08 OF 08 SHTS SHT NO. 08 OF 08 SHTS