

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING,
VICINITY OF MANGO TREE ROAD TO THE VICINITY OF RENTON ROAD
PROJECT NOS. - 7600E-01-82 & S-RS-0760(2)R/W
TYPE CODES - E000, I000, X981, Y003, Y007, Y030, Y031, Y060, Y080, CENG
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER; MAY 28, JUNE 1 & 3, 1982
BIDS OPENED - JUNE 23, 1982
COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS

E E BLACK LTD

HAITSUKA BROTHERS LTD

HIGHWAY CONSTRUCTION
COMPANY LTD

ROYAL CONTR CO LTD

DILLINGHAM CONSTR CORP
DBA HAWAIIAN DREDGING
& CONSTRUCTION COMPANY

JAS W GLOVER LTD

OKADA TRUCKING CO 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

UNIT PRICE

AMOUNT

UNIT PRICE

AMOUNT

104.0500
104.0600

CONSTRUCTION AND MAINTENANCE OF DETOURS
MAINTENANCE OF TRAFFIC SIGNALS DURING
CONSTRUCTION

F.A.
F.A.

F.A.
F.A.

0.00
0.00

30000.00
5000.00

0.00
0.00

30000.00
5000.00

0.00
0.00

30000.00
5000.00

0.00
0.00

30000.00
5000.00

0.00
0.00

30000.00
5000.00

0.00
0.00

30000.00
5000.00

0.00
0.00

30000.00
5000.00

0.00
0.00

30000.00
5000.00

202.0410
202.0441
203.0100

REMOVAL OF EXISTING HIGHWAY LIGHTING POLES
REMOVAL OF EXISTING IRRIGATION STRUCTURES
ROADWAY EXCAVATION

15.
L.S.
47240.

EACH
L.S.
CU YD

153.00
0.00
3.50

2295.00
22160.93
165340.00

172.00
0.00
3.35

2580.00
17100.00
158254.00

158.00
0.00
6.00

2370.00
22000.00
283440.00

150.00
0.00
8.50

2250.00
15000.00
401540.00

150.00
0.00
4.50

2250.00
3500.00
212580.00

151.00
0.00
7.50

2265.00
12000.00
354300.00

138.00
0.00
8.80

2070.00
7510.00
415712.00

300.00
0.00
5.50

4500.00
5000.00
259820.00

206.2010
206.2020
206.2030

STRUCTURE EXCAVATION FOR IRRIGATION SYSTEM
STRUCTURE EXCAVATION FOR DRAINAGE SYSTEM
STRUCTURE EXCAVATION FOR SPRINKLER SYSTEM

2992.
2457.
95.

CU YD
CU YD
CU YD

20.00
20.00
30.00

59840.00
49140.00
2850.00

3.50
5.00
6.00

10472.00
12285.00
570.00

15.00
15.00
15.00

44880.00
36855.00
1425.00

20.00
26.00
20.00

59840.00
63882.00
1900.00

12.75
21.00
18.00

38148.00
51597.00
1710.00

33.00
24.00
20.00

98736.00
58968.00
1900.00

24.00
48.00
24.00

71808.00
117936.00
2280.00

23.00
27.00
17.00

68816.00
66339.00
1615.00

206.2040
206.6000
206.7000

STRUCTURE EXCAVATION FOR WATER SYSTEM
STRUCTURE EXCAVATION FOR BRIDGES
STRUCTURE BACKFILL

185.
1450.
1220.

CU YD
CU YD
CU YD

20.00
20.00
10.00

3700.00
29000.00
12200.00

6.00
7.00
13.00

1110.00
10150.00
15860.00

20.00
15.00
10.00

3700.00
21750.00
12200.00

40.00
9.00
20.00

7400.00
13050.00
24400.00

22.00
5.50
16.50

4070.00
7975.00
20130.00

55.00
8.00
29.00

10175.00
11600.00
35380.00

24.00
17.00
20.00

4440.00
24650.00
24400.00

40.00
33.00
24.00

7400.00
47850.00
29280.00

206.8000
207.0100
208.0800

FILTER MATERIAL
DITCH AND CHANNEL EXCAVATION
STRUCTURE EXCAVATION FOR HTCO SPLICE FITS

80.
26.
16.

CU YD
CU YD
CU YD

30.00
31.43
72.00

2400.00
817.18
1152.00

24.50
6.00
70.00

1960.00
156.00
1120.00

15.00
15.00
75.00

1200.00
390.00
1200.00

30.00
40.00
100.00

2400.00
1040.00
1600.00

59.00
24.00
71.50

4720.00
624.00
1144.00

50.00
50.00
72.00

4000.00
1300.00
1152.00

38.00
58.00
65.00

3040.00
1508.00
1040.00

39.00
18.00
40.00

3120.00
468.00
640.00

301.0200
302.0200
304.1110

PLANT MIX ASPHALT CONCRETE BASE COURSE
RECYCLED PLANT MIX ASPHALT CONCRETE BASE COURSE
AGGREGATE BASE

13660.
13660.
4660.

TON
TON
CU YD

42.39
40.31
23.48

579047.40
550634.60
109416.80

47.75
45.40
14.80

652265.00
620164.00
68968.00

44.00
42.00
15.00

601040.00
573720.00
69900.00

38.00
36.00
21.00

519080.00
491760.00
97860.00

42.00
38.10
31.10

573720.00
520446.00
144926.00

42.00
40.00
26.00

573720.00
546400.00
121160.00

38.15
36.30
45.00

521129.00
495858.00
209700.00

32.00
32.00
22.00

437120.00
437120.00
102520.00

304.1120
304.2110
305.1110

UNCOMPACTED AGGREGATE BASE
CORAL AGGREGATE BASE
AGGREGATE SUBBASE

160.
130.
27015.

CU YD
CU YD
CU YD

24.12
43.47
16.27

3859.20
5651.10
439534.05

16.30
17.30
11.60

2608.00
2249.00
313374.00

14.00
20.00
12.00

2240.00
2600.00
324180.00

19.00
30.00
18.00

3040.00
3900.00
486270.00

27.00
32.00
19.20

4320.00
4160.00
518688.00

26.00
30.00
19.00

4160.00
3900.00
513285.00

55.00
45.00
19.00

8800.00
5850.00
513285.00

15.00
22.00
19.00

2400.00
2860.00
513285.00

401.0300
401.0500
408.0100

ASPHALT CONCRETE PAVEMENT, MIX NO. III
ASPHALT CONCRETE PAVEMENT, MIX NO. V
MC-30 LIQUID ASPHALT FOR PRIME COAT

235.
8200.
1232.

TON
TON
GAL

51.60
48.72
2.22

12126.00
399504.00
2735.04

59.20
54.90
2.50

13912.00
450180.00
3080.00

54.00
51.00
2.60

12690.00
418200.00
3203.20

50.00
48.00
3.00

11750.00
393600.00
3696.00

51.20
44.85
2.25

12032.00
367770.00
2772.00

51.00
48.00
2.50

11985.00
393600.00
3080.00

47.00
44.00
2.00

11045.00
360800.00
2464.00

40.00
41.00
1.25

9400.00
336200.00
1540.00

503.0010
503.0020
503.1092

CLASS A CONCRETE FOR IRRIGATION SYSTEM
CLASS A CONCRETE FOR DRAINAGE SYSTEM
CONCRETE IN BRIDGES (EXCEPT FOOTINGS)

96.
36.
L.S.

CU YD
CU YD
L.S.

662.11
533.20
0.00

63562.56
19195.20
182601.00

228.00
115.00
0.00

21888.00
4140.00
224754.00

275.00
250.00
0.00

26400.00
9000.00
226145.00

350.00
450.00
0.00

33600.00
16200.00
260000.00

590.00
280.00
0.00

56640.00
10080.00
212670.00

500.00
295.00
0.00

48000.00
10620.00
260000.00

750.00
800.00
0.00

72000.00
28800.00
266000.00

500.00
500.00
0.00

48000.00
18000.00
151250.00

503.1093
503.2020
503.2030

CONCRETE IN BRIDGE FOOTINGS
CLASS B CONCRETE FOR DRAINAGE SYSTEM
CLASS B CONCRETE FOR SPRINKLER SYSTEM

L.S.
L.S.
1.

L.S.
L.S.
CU YD

0.00
0.00
137.00

38259.00
0.00
137.00

0.00
0.00
135.00

81500.00
0.00
300.00

225630.00
0.00
300.00

0.00
0.00
700.00

60000.00
0.00
300.00

0.00
0.00
460.00

56677.00
0.00
300.00

0.00
0.00
300.00

47000.00
0.00
300.00

0.00
0.00
980.00

52500.00
0.00
1980.00

0.00
0.00
200.00

45000.00
0.00
4400.00

503.2050
504.4200
507.7100

CLASS B CONCRETE FOR WATER SYSTEM
TYPE IV PRESTRESSED CONCRETE GIRDERS
STANDARD PARAPET (INCLUDING END POST)

43.
1397.
458.

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				E E BLACK LTD		HAITSUKA BROTHERS LTD		HIGHWAY CONSTRUCTION COMPANY LTD		ROYAL CONTR CO LTD		DILLINGHAM CONSTR CORP DBA HAWAIIAN DREDGING & CONSTRUCTION COMPANY		JAS W GLOVER LTD		OKADA TRUCKING CO 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	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
602.1030	REINFORCING STEEL FOR SPRINKLER SYSTEM	1080.	LB	.62	669.60	.80	864.00	.63	680.40	.65	702.00	.60	648.00	.60	648.00	.80	864.00	.60	648.00
602.1040	REINFORCING STEEL FOR WATER SYSTEM	890.	LB	.67	596.30	.90	801.00	.69	614.10	.70	623.00	.70	623.00	.70	623.00	.80	712.00	.60	534.00
603.0010	BED COURSE MATERIAL FOR CULVERT	124.	CU YD	32.74	4059.76	35.00	4340.00	20.00	2480.00	24.00	2976.00	28.00	3472.00	35.00	4340.00	45.00	5580.00	32.00	3968.00
603.1020	54-INCH REINFORCED CONCRETE PIPE, CLASS III	500.	LIN FT	77.27	38635.00	75.00	37500.00	95.00	47500.00	70.00	35000.00	78.00	39000.00	70.00	35000.00	67.00	33500.00	70.00	35000.00
603.5040	24-INCH ASBESTOS CEMENT PIPE, CLASS III OR 24-INCH REINFORCED CONCRETE PIPE, CLASS III	1525.	LIN FT	29.86	45536.50	25.00	38125.00	42.00	64050.00	24.00	36600.00	28.00	42700.00	26.00	39650.00	22.00	33550.00	30.00	45750.00
604.1601	EXISTING TELEPHONE MANHOLE TO BE COMPLETELY DEMOLISHED	1.	EACH	164.00	164.00	1500.00	1500.00	1780.00	1780.00	1700.00	1700.00	1700.00	1700.00	1700.00	1700.00	1546.00	1546.00	4000.00	4000.00
604.2150	TYPE A CAST IRON FRAME AND COVER	1.	EACH	284.00	284.00	300.00	300.00	200.00	200.00	250.00	250.00	325.00	325.00	250.00	250.00	260.00	260.00	360.00	360.00
604.2250	6-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE	1.	EACH	108.00	108.00	120.00	120.00	120.00	120.00	80.00	80.00	125.00	125.00	100.00	100.00	105.00	105.00	125.00	125.00
604.3110	REMOVING, CLEANING, PAINTING AND REINSTALLING 20-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE	3.	EACH	94.20	282.60	125.00	375.00	150.00	450.00	30.00	90.00	98.00	294.00	125.00	375.00	110.00	330.00	150.00	450.00
604.3300	REMOVING, CLEANING, PAINTING AND REINSTALLING TYPE X METER BOX FRAME AND COVER	2.	EACH	131.00	262.00	150.00	300.00	150.00	300.00	40.00	80.00	60.00	120.00	125.00	250.00	35.00	70.00	180.00	360.00
604.4430	RECONSTRUCTED WATER MANHOLE (BRICK WALL)	2.	EACH	1036.00	2072.00	1100.00	2200.00	1500.00	3000.00	600.00	1200.00	1400.00	2800.00	900.00	1800.00	790.00	1580.00	800.00	1600.00
604.4550	ADJUSTING WATER VALVE BOX FRAME AND COVER	5.	EACH	291.53	1457.65	300.00	1500.00	110.00	550.00	140.00	700.00	185.00	925.00	145.00	725.00	90.00	450.00	150.00	750.00
604.4710	ADJUSTING HECO MANHOLE FRAME AND COVER	2.	EACH	620.00	1240.00	700.00	1400.00	600.00	1200.00	600.00	1200.00	900.00	1800.00	620.00	1240.00	558.00	1116.00	250.00	500.00
604.5001	TYPE A MANHOLE, 11-FEET TO 11.99-FEET	1.	EACH	6930.00	6930.00	3600.00	3600.00	2200.00	2200.00	2500.00	2500.00	4200.00	4200.00	5200.00	5200.00	4580.00	4580.00	4900.00	4900.00

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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	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
606.7100	BREAKAWAY CABLE TERMINAL	4.	EACH	2111.00	8444.00	2000.00	8000.00	2185.00	8740.00	2000.00	8000.00	2100.00	8400.00	2090.00	8360.00	1900.00	7600.00	2000.00	8000.00		
607.0050	5-FEET CHAIN LINK FENCE WITH TOP RAIL AND CONCRETE FOOTINGS (DOMESTIC STEEL)	610.	LIN FT	14.44	8808.40	15.00	9150.00	15.00	9150.00	15.00	9150.00	15.40	9394.00	13.50	8235.00	14.00	8540.00	17.00	10370.00		
607.0055	5-FEET VINYL-CLAD CHAIN LINK FENCE WITH TOP RAIL AND CONCRETE FOOTINGS (DOMESTIC STEEL)	130.	LIN FT	20.00	2600.00	20.00	2600.00	21.00	2730.00	20.00	2600.00	20.90	2717.00	21.00	2730.00	19.00	2470.00	25.00	3250.00		
607.0255	5-FEET VINYL-CLAD CHAIN LINK FENCE WITH TOP RAIL ON CONCRETE STRUCTURE (DOMESTIC STEEL)	127.	LIN FT	21.11	2680.97	25.00	3175.00	22.00	2794.00	25.00	3175.00	27.00	3427.00	26.00	3302.00	24.00	3048.00	25.00	3175.00		
607.0335	3-FEET VINYL-CLAD CHAIN LINK FENCE WITHOUT TOP RAIL ON CONCRETE STRUCTURE (DOMESTIC STEEL)	114.	LIN FT	17.78	2026.92	15.00	1710.00	18.00	2052.00	15.00	1710.00	15.50	1767.00	15.50	1767.00	14.00	1596.00	20.00	2280.00		
608.0100	PLAIN CONCRETE SIDEWALK	122.	SQ YD	18.45	2250.90	112.00	13664.00	36.00	4392.00	22.00	2684.00	23.50	2867.00	17.00	2074.00	34.00	4148.00	18.00	2196.00		
609.2020	CURB, TYPE 2D	3500.	LIN FT	14.40	50400.00	9.00	31500.00	5.00	17500.00	10.00	35000.00	16.40	57400.00	9.90	34650.00	11.00	38500.00	8.00	28000.00		
609.3060	CURB, TYPE 3D	4350.	LIN FT	7.05	30667.50	9.50	41325.00	5.00	21750.00	13.00	56550.00	14.80	64380.00	8.50	36975.00	7.50	32625.00	6.00	26100.00		
609.2218	GUTTER, TYPE 2 (61218)	2480.	LIN FT	16.89	41887.20	10.00	24800.00	10.00	24800.00	16.00	39680.00	30.60	75888.00	17.60	43648.00	25.00	62000.00	22.00	54560.00		
612.0100	GROUTED RUBBLE PAVING	526.	CU YD	77.05	40528.30	290.00	152540.00	240.00	126240.00	130.00	68380.00	217.50	114405.00	211.00	110986.00	220.00	115720.00	175.00	92050.00		
613.0100	CENTERLINE MONUMENTS	2.	EACH	87.00	174.00	175.00	350.00	250.00	500.00	150.00	300.00	75.00	150.00	95.00	190.00	120.00	240.00	130.00	260.00		
621.0200	PANEL FOR DESTINATION SIGN	232.	SQ FT	37.77	8762.64	40.00	9280.00	39.00	9048.00	36.00	8352.00	34.00	7884.00	27.50	6380.00	34.00	7888.00	50.00	11600.00		
621.1200	GALVANIZED STEEL POST AND FOUNDATION FOR DESTINATION SIGN (DOMESTIC STEEL)	2.	EACH	1088.78	2177.56	1100.00	2200.00	1127.00	2254.00	1100.00	2200.00	1750.00	3500.00	1080.00	2160.00	980.00	1960.00	1800.00	3600.00		
621.1300	BREAKAWAY SIGN POST AND FOUNDATION FOR DESTINATION SIGN (DOMESTIC STEEL)	4.	EACH	777.70	3110.80	800.00	3200.00	805.00	3220.00	800.00	3200.00	1025.00	4100.00	770.00	3080.00	700.00	2800.00	2000.00	8000.00		
621.4000	REFLECTOR MARKER	9.	EACH	7.78	70.02	9.00	81.00	8.00	72.00	10.00	90.00	21.00	189.00	8.00	72.00	7.00	63.00	20.00	180.00		
621.4100	REFLECTOR MARKER WITH POST	40.	EACH	32.50	1300.00	30.00	1200.00	34.00	1360.00	35.00	1400.00	42.00	1680.00	32.00	1280.00	30.00	1200.00	58.00	2320.00		
621.5000	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS)	3.	EACH	127.77	383.31	140.00	420.00	132.00	396.00	120.00	360.00	105.00	315.00	127.00	381.00	115.00	345.00	120.00	360.00		
621.5100	REGULATORY AND WARNING SIGN (10 SQUARE FEET OR LESS) WITH POST	22.	EACH	183.32	4033.04	200.00	4400.00	190.00	4180.00	170.00	3740.00	162.00	3564.00	180.00	3960.00	165.00	3630.00	260.00	5720.00		
621.5300	REGULATORY AND WARNING SIGN, (GREATER THAN 10 SQUARE FEET), WITH POST	1.	EACH	278.00	278.00	300.00	300.00	287.00	287.00	300.00	300.00	250.00	250.00	275.00	275.00	250.00	250.00	400.00	400.00		
621.7000	CONSTRUCTION SIGN	7.	EACH	291.08	2037.56	210.00	1470.00	300.00	2100.00	300.00	2100.00	75.00	525.00	290.00	2030.00	262.00	1834.00	125.00	875.00		
621.7100	CONSTRUCTION SIGN WITH POST	38.	EACH	379.09	14405.42	325.00	12350.00	393.00	14934.00	350.00	13300.00	310.00	11780.00	375.00	14250.00	342.00	12996.00	250.00	9500.00		
621.7700	BIKE ROUTE SIGN	14.	EACH	77.77	1088.78	80.00	1120.00	80.00	1120.00	90.00	1260.00	64.50	903.00	77.00	1078.00	70.00	980.00	100.00	1400.00		
621.7800	BIKE ROUTE SIGN WITH POST	6.	EACH	133.32	799.92	125.00	750.00	138.00	828.00	140.00	840.00	120.00	720.00	132.00	792.00	120.00	720.00	188.00	1128.00		
622.7002	METAL LIGHTING STANDARD ON GRADE (DOMESTIC STEEL)	2.	EACH	1992.00	3984.00	1800.00	3600.00	2060.00	4120.00	1900.00	3800.00	1975.00	3950.00	1975.00	3950.00	1793.00	3586.00	2750.00	5500.00		
622.7003	METAL LIGHTING STANDARD ON GRADE-TWIN ARM (DOMESTIC STEEL)	22.	EACH	2281.00	50182.00	2100.00	46200.00	2360.00	51920.00	2100.00	46200.00	2260.00	49720.00	2260.00	49720.00	2053.00	45166.00	3100.00	68200.00		
622.7008	WIRE, 600 VOLT, T/C, #6	L.S.	L.S.	0.00	169.00	0.00	200.00	0.00	175.00	0.00	18000.00	0.00	170.00	0.00	200.00	0.00	152.00	0.00	200.00		
SHT NO. 03 OF 07 SHIS																				SHT NO. 03 OF 07 SHIS	

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING,
VICINITY OF MANGO TREE ROAD TO THE VICINITY OF RENTON ROAD
PROJECT NOS. - 7600P-01-82 & S-RS-0760(2)R/W
TYPE CODES - E000, 1000, X981, Y003, Y007, Y030, Y031, Y060, Y080, CENG
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER; MAY 28, JUNE 1 & 3, 1982
BIDS OPENED - JUNE 23, 1982
COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS

E E BLACK LTD

HAITSUKA BROTHERS LTD

HIGHWAY CONSTRUCTION
COMPANY LTD

ROYAL CONTR CO LTD

DILLINGHAM CONSTR CORP
DBA HAWAIIAN DREDGING
& CONSTRUCTION COMPANY

JAS W GLOVER LTD

OKADA TRUCKING CO 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

UNIT PRICE

AMOUNT

UNIT PRICE

AMOUNT

622.7009

WIRE, 600 VOLT, 1/C, #4

L.S.

L.S.

0.00

19004.00

0.00

17500.00

0.00

19670.00

0.00

300.00

0.00

18820.00

0.00

18800.00

0.00

17105.00

0.00

39900.00

622.7016

PULLBOX, TYPE CC, LIGHTING SYSTEM

24.

EACH

284.42

6826.08

300.00

7200.00

295.00

7080.00

270.00

6480.00

282.00

6760.00

280.00

6720.00

256.00

6144.00

260.00

6240.00

622.7019

2-INCH RACEWAY IN STRUCTURE

L.S.

L.S.

0.00

1094.00

0.00

1000.00

0.00

1132.00

0.00

1000.00

0.00

1080.00

0.00

1100.00

0.00

985.00

0.00

325.00

622.7020

MISCELLANEOUS ELECTRICAL FACILITIES

L.S.

L.S.

0.00

8123.00

0.00

7500.00

0.00

8400.00

0.00

8000.00

0.00

8050.00

0.00

8000.00

0.00

7311.00

0.00

1500.00

622.7021

UNDERGROUND RACEWAY, LIGHTING SYSTEM

L.S.

L.S.

0.00

26341.81

0.00

24000.00

0.00

27270.00

0.00

25000.00

0.00

26000.00

0.00

26000.00

0.00

23710.00

0.00

71300.00

622.7050

ELECTRIC SERVICE FOR OAHU SUGAR CO. SEWERAGE

L.S.

L.S.

0.00

2576.40

0.00

2500.00

0.00

2667.00

0.00

2500.00

0.00

2550.00

0.00

2600.00

0.00

2319.00

0.00

1400.00

623.9008

TRAFFIC SIGNAL SYSTEM NO. 2-1 (DOMESTIC STEEL)

L.S.

L.S.

0.00

64622.42

0.00

58500.00

0.00

66890.00

0.00

62000.00

0.00

63980.00

0.00

64000.00

0.00

58166.00

0.00

66500.00

623.9010

PULLBOX, TYPE CC, TRAFFIC SIGNAL SYSTEMS

20.

EACH

303.30

6066.00

275.00

5500.00

314.00

6280.00

300.00

6000.00

300.00

6000.00

300.00

6000.00

273.00

5460.00

400.00

8000.00

623.9015

SIGNAL LOOP CABLE: 26/C, #12, 600 VOLT

L.S.

L.S.

0.00

5961.62

0.00

5500.00

0.00

6170.00

0.00

5800.00

0.00

5900.00

0.00

5900.00

0.00

5366.00

0.00

12750.00

623.9016

SIGNAL HEAD CABLE: 4/C, #14, 600 VOLT

L.S.

L.S.

0.00

131.09

0.00

2000.00

0.00

2170.00

0.00

2000.00

0.00

2070.00

0.00

2100.00

0.00

1886.00

0.00

10880.00

623.9017

DETECTOR LEAD-IN-CABLE: 2/C, #12, 600 VOLT

L.S.

L.S.

0.00

2059.34

0.00

800.00

0.00

916.00

0.00

900.00

0.00

880.00

0.00

875.00

0.00

797.00

0.00

2520.00

623.9019

SIGNAL DUCT: ONE 2-INCH

L.S.

L.S.

0.00

885.46

0.00

6100.00

0.00

6910.00

0.00

6500.00

0.00

6600.00

0.00

6600.00

0.00

6011.00

0.00

13950.00

623.9020

SIGNAL DUCT: TWO 2-INCH

L.S.

L.S.

0.00

6678.22

0.00

6500.00

0.00

7270.00

0.00

6800.00

0.00

6950.00

0.00

6950.00

0.00

6320.00

0.00

14400.00

624.0051

UNTREATED BASE FOR WATER SYSTEM

12.

CU YD

23.42

281.04

21.00

252.00

20.00

240.00

45.00

540.00

26.50

310.00

45.00

540.00

34.00

408.00

35.00

420.00

624.1018

FURNISHING AND INSTALLING 6-INCH DUCTILE IRON PIPE (CLASS 52)

118.

LIN FT

14.48

1

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING,
VICINITY OF MANGO TREE ROAD TO THE VICINITY OF RENTON ROAD
PROJECT NOS. - 7600E-01-82 & S-RS-0760(2)R/W
TYPE CODES - E000, I000, X981, Y003, Y007, Y030, Y031, Y060, Y080, CENG
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER; MAY 28, JUNE 1 & 3, 1982
BIDS OPENED - JUNE 23, 1982
COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS

E E BLACK LTD

HAITSUKA BROTHERS LTD

HIGHWAY CONSTRUCTION
COMPANY LTD

ROYAL CONTR CO LTD

DILLINGHAM CONSTR CORP
DBA HAWAIIAN DREDGING
& CONSTRUCTION COMPANY

JAS W GLOVER LTD

OKADA TRUCKING CO 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

UNIT PRICE

AMOUNT

UNIT PRICE

AMOUNT

626.0100

TYPE I BARRICADES

29.

EACH

138.14

4006.06

135.00

3915.00

130.00

3770.00

100.00

2900.00

154.00

4466.00

175.00

5075.00

100.00

2900.00

175.00

5075.00

626.0300

TYPE III BARRICADES

15.

EACH

580.96

8714.40

510.00

7650.00

530.00

7950.00

400.00

6000.00

490.00

7350.00

595.00

8925.00

400.00

6000.00

500.00

7500.00

629.1010

PAVEMENT STRIPING

26500.

LIN FT

.31

8215.00

.35

9275.00

.40

10600.00

.30

7950.00

.38

10070.00

.31

8215.00

.30

7950.00

.45

11925.00

629.1020

CROSSWALK MARKING (TAPE)

20.

LANE

211.09

4221.80

240.00

4800.00

288.00

5760.00

200.00

4000.00

275.00

5500.00

210.00

4200.00

190.00

3800.00

70.00

1400.00

629.1030

PAVEMENT ARROWS (TAPE)

12.

EACH

155.54

1866.48

175.00

2100.00

178.00

2136.00

150.00

1800.00

172.00

2064.00

154.00

1848.00

140.00

1680.00

60.00

720.00

629.2010

TYPE A PAVEMENT MARKERS

970.

EACH

2.78

2696.60

3.00

2910.00

2.90

2813.00

3.00

2910.00

2.80

2716.00

2.80

2716.00

2.50

2425.00

2.40

2328.00

629.2030

TYPE C PAVEMENT MARKERS

316.

EACH

5.00

1580.00

6.00

1896.00

4.50

1422.00

5.00

1580.00

4.50

1422.00

5.00

1580.00

4.50

1422.00

6.00

1896.00

629.2040

TYPE D PAVEMENT MARKERS

11.

EACH

5.11

56.21

6.00

66.00

4.50

49.50

5.00

55.00

5.00

55.00

5.00

55.00

5.00

55.00

8.00

88.00

629.2070

TYPE H PAVEMENT MARKERS

250.

EACH

4.44

1110.00

5.00

1250.00

4.50

1125.00

4.50

1125.00

4.50

1125.00

4.50

1125.00

4.00

1000.00

6.50

1625.00

632.7000

RESET WARNING, REGULATORY AND CONSTRUCTION SIGN

8.

EACH

122.20

977.60

50.00

400.00

126.00

1008.00

150.00

1200.00

33.00

264.00

121.00

968.00

110.00

880.00

135.00

1080.00

634.0100

EXPLORATORY WORK AT STRUCTURE FOOTING

F.A.

F.A.

0.00

10000.00

0.00

10000.00

0.00

10000.00

0.00

10000.00

0.00

10000.00

0.00

10000.00

0.00

10000.00

0.00

10000.00

636.2100

MAINTAIN FIELD OFFICE AND PROJECT SITE LABORATORY

F.A.

F.A.

0.00

3000.00

0.00

3000.00

0.00

3000.00

0.00

3000.00

0.00

3000.00

0.00

3000.00

0.00

3000.00

0.00

3000.00

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

0.00

20000.00

0.00

20000.00

640.0100

LINED DRAINAGE DITCH, TYPE 1

324.

LIN FT

23.64

7659.36

10.00

3240.00

15.00

4860.00

13.00

4212.00

10.50

3402.00

12.00

3888.00

20.00

6480.00

14.00

4536.00

641.0100

HYDRO-MULCH SEEDING

228350.

SQ FT

.18

41103.00

.20

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING, VICINITY OF MANGO TREE ROAD TO THE VICINITY OF RENTON ROAD PROJECT NOS. - 7600B-01-82 & S-PS-0760(2)R/W TYPE CODES - E000, I000, X981, Y003, Y007, Y030, Y031, Y060, Y080, CENG ISLAND - OAHU					DATES ADVERTISED - HONOLULU ADVERTISER; MAY 28, JUNE 1 & 3, 1982 BIDS OPENED - JUNE 23, 1982 COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS															
					E E BLACK LTD		HAITSUKA BROTHERS LTD		HIGHWAY CONSTRUCTION COMPANY LTD		ROYAL CONTR CO LTD		DILLINGHAM CONSTR CORP DBA HAWAIIAN DREDGING & CONSTRUCTION COMPANY		JAS W GLOVER LTD		OKADA TRUCKING CO LTD		STATE OF HAWAII	
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMCUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
648.0301	TYPE SG-1 SAFETY GRATE (DOMESTIC STEEL)	12.	EACH	410.50	4926.00	335.00	4020.00	120.00	1440.00	120.00	1440.00	120.50	1446.00	205.00	2460.00	780.00	9360.00	275.00	3300.00	
648.0401	TYPE TR-1 TRASH RACK (DOMESTIC STEEL)	15.	EACH	405.00	6075.00	365.00	5475.00	127.00	1905.00	125.00	1875.00	120.00	1800.00	220.00	3300.00	1200.00	18000.00	290.00	4350.00	
648.0501	6-INCH CAST IRON PIPE FOR IRRIGATION SYSTEM (CLASS 150)	184.	LIN FT	15.41	2835.44	14.00	2576.00	32.00	5888.00	16.00	2944.00	15.00	2760.00	14.00	2576.00	12.00	2208.00	20.00	3680.00	
648.0502	6-INCH GATE VALVE FOR IRRIGATION SYSTEM (CLASS 150)	1.	EACH	338.50	338.50	300.00	300.00	550.00	550.00	300.00	300.00	380.00	380.00	400.00	400.00	540.00	540.00	465.00	465.00	
648.0503	6-INCH CAST IRON FITTINGS AND CASTINGS FOR IRRIGATION SYSTEM	75.	LB	11.02	826.50	2.00	150.00	3.00	225.00	3.00	225.00	4.60	345.00	2.00	150.00	4.00	300.00	2.40	180.00	
648.0601	TYPE 1-1 LINED IRRIGATION CHANNEL	145.	LIN FT	55.74	8082.30	12.00	1740.00	11.00	1595.00	17.00	2465.00	31.00	4495.00	30.00	4350.00	37.00	5365.00	30.00	4350.00	
648.0602	TYPE 2-1 LINED IRRIGATION CHANNEL	30.	LIN FT	57.58	1727.40	15.00	450.00	20.00	600.00	20.00	600.00	34.00	1020.00	34.00	1020.00	40.00	1200.00	34.00	1020.00	
648.0605	TYPE 5-1 LINED IRRIGATION CHANNEL	380.	LIN FT	86.34	32809.20	25.00	9500.00	33.00	12540.00	19.00	7220.00	75.75	28785.00	76.00	28880.00	79.00	30020.00	48.00	18240.00	
648.0606	TYPE 6-1 IRRIGATION CHANNEL (UNLINED)	35.	LIN FT	4.45	155.75	10.00	350.00	10.00	350.00	4.00	140.00	2.80	98.00	10.00	350.00	7.00	245.00	2.40	84.00	
648.0607	TYPE 7-1 LINED IRRIGATION CHANNEL	15.	LIN FT	90.61	1359.15	15.00	225.00	60.00	900.00	38.00	570.00	44.40	666.00	45.00	675.00	63.00	945.00	24.00	360.00	
650.1000	RAILROAD CROSSING SIGNAL SYSTEM (DUCTLINES AND PULLBOXES)	L.S.	L.S.	0.00	2875.00	0.00	3000.00	0.00	2975.00	0.00	2700.00	0.00	2850.00	0.00	2850.00	0.00	2588.00	0.00	4000.00	
651.1000	RAILROAD TRACK ON CONCRETE SLAB	152.	LIN FT	28.88	4389.76	125.00	19000.00	400.00	60800.00	180.00	27360.00	220.00	33440.00	370.00	56240.00	482.00	73264.00	168.00	25536.00	
651.2000	RAILROAD TRACK ON WOOD TIES	24.	LIN FT	139.21	3341.04	100.00	2400.00	85.00	2040.00	100.00	2400.00	105.00	2520.00	160.00	3840.00	218.00	5232.00	100.00	2400.00	
652.3000	RIPRAE CLASS 1	75.	CU YD	108.88	8166.00	125.00	9375.00	220.00	16500.00	150.00	11250.00	77.00	5775.00	108.00	8100.00	105.00	7875.00	45.00	3375.00	
652.3002	SAND PAD	38.	CU YD	230.57	8761.66	30.00	1140.00	20.00	760.00	30.00	1140.00	40.00	1520.00	29.00	1102.00	35.00	1330.00	38.00	1444.00	
652.3003	FILTER FABRIC	212.	SQ YD	6.24	1322.88	20.00	4240.00	2.00	424.00	2.50	530.00	3.50	742.00	15.50	3286.00	7.00	1484.00	2.50	530.00	
668.0100	PROTECTIVE MEASURES FOR STANDARD OIL PIPELINE	F.A.	F.A.	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00	0.00	5000.00	
669.1160	2-1/2 INCH COPPER PIPE TYPE K FOR SPRINKLER SYSTEM	356.	LIN FT	10.40	3702.40	9.00	3204.00	10.00	3560.00	5.00	1780.00	5.00	1780.00	9.00	3204.00	12.00	4272.00	13.00	4628.00	
669.1381	6-INCH CAST IRON PIPE CL. 150 OR DUCTILE IRON PIPE CL. 52 OR ASBESTOS CEMENT PIPE CL. 200 FOR SPRINKLER SYSTEM	74.	LIN FT	17.04	1260.96	13.00	962.00	30.00	2220.00	12.00	888.00	20.00	1480.00	16.00	1184.00	12.00	888.00	20.00	1480.00	
669.1383	10-INCH CAST IRON PIPE CL. 150 OR DUCTILE IRON PIPE CL. 52 OR ASBESTOS CEMENT PIPE CL. 200 FOR SPRINKLER SYSTEM	40.	LIN FT	33.35	1334.00	34.00	1360.00	43.00	1720.00	20.00	800.00	33.50	1340.00	30.00	1200.00	18.00	720.00	30.00	1200.00	
669.1390	2-INCH PVC CONDUIT, SCHEDULE 80 FOR SPRINKLER SYSTEM	470.	LIN FT	3.61	1696.70	4.00	1880.00	2.70	1269.00	2.50	1175.00	2.50	1175.00	2.50	1175.00	3.80	1786.00	2.50	1175.00	
669.1395	TYPE CC1 PULL BOX FOR SPRINKLER SYSTEM	13.	EACH	259.00	3367.00	300.00	3900.00	270.00	3510.00	250.00	3250.00	257.00	3341.00	256.00	3328.00	233.00	3029.00	450.00	5850.00	
693.1000	INERTIAL BARRIER SYSTEM AT STA 173+39	L.S.	L.S.	0.00	2633.00	0.00	3000.00	0.00	2725.00	0.00	2500.00	0.00	4000.00	0.00	2600.00	0.00	2370.00	0.00	8000.00	
693.2000	INERTIAL BARRIER SYSTEM AT STA 177+24	L.S.	L.S.	0.00	2633.00	0.00	3000.00	0.00	2725.00	0.00	2500.00	0.00	4000.00	0.00	2600.00	0.00	2370.00	0.00	8000.00	
693.3000	INERTIAL BARRIER SYSTEM AT STA 156+00	L.S.	L.S.	0.00	1722.00	0.00	2000.00	0.00	1785.00	0.00	1700.00	0.00	2497.00	0.00	1700.00	0.00	1550.00	0.00	3500.00	
693.4000	INERTIAL BARRIER MODULE (UNASSEMBLED)	17.	EACH	305.53	5194.01	300.00	5100.00	316.00	5372.00	350.00	5950.00	360.00	6120.00	303.00	5151.00	275.00	4675.00	300.00	5100.00	
SHT NO. 06 OF 07 SHTS																				

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING,
VICINITY OF MANGO TREE ROAD TO THE VICINITY OF RENTON ROAD
PROJECT NOS. - 7600R-01-82 & S-RS-0760(2)R/W
TYPE CODES - F000, 1000, X981, Y003, Y007, Y030, Y031, Y060, Y080, CENG
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER; MAY 28, JUNE 1 & 3, 1982
BIDS OPENED - JUNE 23, 1982
COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	E E BLACK LTD		HAITSUKA BROTHERS LTD		HIGHWAY CONSTRUCTION COMPANY LTD		ROYAL CONTR CO LTD		DILLINGHAM CONSTR CORP DBA HAWAIIAN DREDGING & CONSTRUCTION COMPANY		JAS W GLOVER LTD		OKADA TRUCKING CO LTD		STATE OF HAWAII	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
697.2000	FURNISHING AND MAINTAINING PROJECT VEHICLES- 4-DOOR SEDAN (NOT TO EXCEED \$400 PER VEH/MON)	18.	VEH/MO	400.00	7200.00	400.00	7200.00	400.00	7200.00	360.00	6480.00	400.00	7200.00	400.00	7200.00	400.00	7200.00	400.00	7200.00
697.2001	FURNISHING AND MAINTAINING PROJECT VEHICLES- 1/2-TON PICKUP (NOT TO EXCEED \$400 PER VEH/MON)	36.	VEH/MO	400.00	14400.00	400.00	14400.00	400.00	14400.00	360.00	12960.00	400.00	14400.00	400.00	14400.00	400.00	14400.00	400.00	14400.00
698.1000	TRAINING (3 TRAINEES)	3000.	VEH/MO	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00
699.1000	MOBILIZATION (NOT TO EXCEED 6 PERCENT OF THE SUM OF ALL ITEMS EXCLUDING THIS ITEM AND THE MORE EXPENSIVE OF ITEMS 301.0200 OR 302.0200) (DOMESTIC STEEL)	L.S.	L.S.	0.00	200000.00	0.00	212658.00	0.00	27015.00	0.00	186115.00	0.00	22500.00	0.00	64000.00	0.00	150000.00	0.00	220000.00
	SUM OF ALL ITEMS				4332047.40		4409227.00		*4482068.20		4540000.00		4655721.00		4688084.00		4806845.00		4344620.00
	DEDUCT THE MORE EXPENSIVE ASPHALT CONCRETE BASE COURSE ALTERNATIVE (301.0200 OR 302.0200)				579047.40		652265.00		601040.00		519080.00		573721.00		573720.00		521129.00		437120.00
	AMOUNT FOR DETERMINATION OF LOWEST BIDDER (BID I)				\$ 3753000.00		\$ 3756962.00		*\$ 3881028.20		\$ 4020920.00		\$ 4082001.00		\$ 4114364.00		\$ 4285716.00		\$ 3907500.00
	NOTE: NO BIDS WERE RECEIVED FOR (BID II), WHICH SUBSTITUTES FOREIGN STEEL FOR DOMESTIC STEEL.																		
	* Corrected figures																		
	I certify that this is a true and correct tabulation of bids for this project.																		
	<u>Donald C. L. Lee</u> 6/25/82 DONALD C.L. LEE Date Project Engineer																		

PROJECT - FORT WEAVER ROAD REALIGNMENT AND WIDENING,
VICINITY OF MANGO TREE ROAD TO THE VICINITY OF RENTON ROAD
PROJECT NOS. - 7600B-01-B2 & S-RS-0760(2)R/W
TYPE CODES - E000, 1000, X981, Y003, Y007, Y030, Y031, Y060, Y080, CENG
ISLAND - OAHU

DATES ADVERTISED - HONOLULU ADVERTISER; MAY 28, JUNE 1 & 3, 1982
BIDS OPENED - JUNE 23, 1982
COMPLETION TIME - THREE HUNDRED TWENTY (320) WORKING DAYS

ITEM NO.	ITEM	QUANTITY	UNIT	E E BLACK LTD		HAITSUKA BROTHERS LTD		HIGHWAY CONSTRUCTION COMPANY LTD		ROYAL CONTR CO LTD		DILLINGHAM CONSTR CORP DRA HAWAIIAN DREDGING & CONSTRUCTION COMPANY		JAS W GLOVER LTD		OKADA TRUCKING CO LTD		STATE OF HAWAII	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
697.2000	FURNISHING AND MAINTAINING PROJECT VEHICLES- 4-DOOR SEDAN (NOT TO EXCEED \$400 PER VEH/MON)	18.	VEH/MO	400.00	7200.00	400.00	7200.00	400.00	7200.00	360.00	6480.00	400.00	7200.00	400.00	7200.00	400.00	7200.00	400.00	7200.00
697.2001	FURNISHING AND MAINTAINING PROJECT VEHICLES- 1/2-TON PICKUP (NOT TO EXCEED \$400 PER VEH/MON)	36.	VEH/MO	400.00	14400.00	400.00	14400.00	400.00	14400.00	360.00	12960.00	400.00	14400.00	400.00	14400.00	400.00	14400.00	400.00	14400.00
698.1000	TRAINING (3 TRAINEES)	3000.	VEH/MO HOUR	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00	.80	2400.00
699.1000	MOBILIZATION (NOT TO EXCEED 6 PERCENT OF THE SUM OF ALL ITEMS EXCLUDING THIS ITEM AND THE MORE EXPENSIVE OF ITEMS 301.0200 OR 302.0200) (DOMESTIC STEEL)	L.S.	L.S.	0.00	200000.00	0.00	212658.00	0.00	27015.00	0.00	186115.00	0.00	225000.00	0.00	64000.00	0.00	150000.00	0.00	220000.00
	SUM OF ALL ITEMS				4332047.40		4409227.00		* 4482068.20		4540000.00		4655720.00		4688084.00		4806845.00		4344620.00
	DEDUCT THE MORE EXPENSIVE ASPHALT CONCRETE BASE COURSE ALTERNATIVE (301.0200 OR 302.0200)				579047.40		652265.00		601040.00		519080.00		573720.00		573720.00		521129.00		437120.00
	AMOUNT FOR DETERMINATION OF LOWEST BIDDER (BID I)				\$ 3753000.00		\$ 3756962.00		* \$ 3881028.20		\$ 4020920.00		\$ 4082000.00		\$ 4114364.00		\$ 4285716.00		\$ 3907500.00
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