

TABULATION OF BIDS

Project No. F-090-1(6)
Job No. F090106
Type Code: 6201, Y060 & X081.
Bids Opened: August 24, 1961

Project: Widening of
Kamehameha Highway - Moanalua Rd. to Waiawa Overpass
Island: Oahu
Date Advertised: Honolulu Star-Bulletin - July 27, 1961

ITEM NO.	ITEM	QUANTITY	UNIT USED	J. M. TANAKA, INC. & CONSTRUCTION EQUIPMENT, INC. Bid Bond - \$2500 + 2% Amt. Bid over \$50,000		E. E. BLACK, LTD. Bid Bond - \$2500 + 2% Amt. Bid over \$50,000		JAS. W. GLOVER, LTD. Bid Bond - \$2500 + 2% Amt. Bid over \$50,000		A. C. CHOCK, LTD. & ALCAN PACIFIC CO. Bid Bond - \$2500 + 2% Amt. Bid over \$50,000		HAWAIIAN DREDGING & CONSTRUCTION CO., LTD. Bid Bond - \$2500 + 2% Amt. Bid over \$50,000		STATE OF HAWAII	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
11A	Demol, Dispose, portions of exist bridges		L.S.		10,000.00		5,900.00		4,000.00		12,760.00		4,340.00		5,000.00
13	Roadway Excavation	11,800	Cu. Yd.	2.50	29,500.00	3.47	40,946.00	2.70	31,860.00	2.90	34,220.00	2.78	32,804.00	3.00	35,400.00
14(1)	Struct Exc other than at Bridges	4,030	Cu. Yd.	4.35	17,530.50	6.05	24,381.50	5.25	21,157.50	7.00	28,210.00	5.30	21,359.00	8.00	32,240.00
14(2)	Struct Exc for Bridges	490	Cu. Yd.	4.35	2,131.50	4.51	2,209.90	7.50	3,675.00	19.00	9,310.00	6.28	3,077.20	7.50	3,675.00
18	Compacting Original Ground	18,000	Sq. Yd.	0.10	1,800.00	0.07	1,260.00	0.10	1,800.00	0.30	5,400.00	0.11	1,980.00	0.10	1,800.00
23	Sprinkling	1,100	M Gal.	3.00	3,300.00	3.30	3,630.00	3.00	3,300.00	7.00	7,700.00	4.61	5,071.00	3.00	3,300.00
24(1)	Select Borrow Subbase Course	5,300	Cu. Yd.	3.50	18,550.00	2.33	12,349.00	3.75	19,875.00	3.25	17,225.00	4.21	22,313.00	3.00	15,900.00
26	Untreated Base	7,300	Cu. Yd.	5.15	37,595.00	3.70	27,010.00	4.45	32,485.00	4.70	34,310.00	4.56	33,288.00	4.25	31,025.00
26(1)	Untreated Base for Asphaltic Walkway	360	Cu. Yd.	7.00	2,520.00	6.19	2,228.40	5.50	1,980.00	7.00	2,520.00	5.61	2,019.60	4.00	1,440.00
29	Brooming Off	40,000	Sq. Yd.	0.04	1,600.00	0.04	1,600.00	0.037	1,480.00	0.05	2,000.00	0.04	1,600.00	0.10	4,000.00
30(3)	Medium Curing Liquid Asph for Prime Coat	7,600	Gal.	0.27	2,052.00	0.27	2,052.00	0.265	2,014.00	0.35	2,660.00	0.33	2,508.00	0.25	1,900.00
31	Emul Asph, Pen Type, for Tack Coat	10,900	Gal.	0.27	2,943.00	0.27	2,943.00	0.265	2,888.50	0.35	3,815.00	0.33	3,597.00	0.25	2,725.00
39(2)	Asph Conc Pavement Mix No. III	3,520	Ton	11.80	41,536.00	11.87	41,782.40	11.80	41,536.00	12.20	42,944.00	14.82	52,166.40	13.50	47,520.00
39(4)	Asph Conc Pavement Mix No. V	4,000	Ton	11.80	47,200.00	11.87	47,480.00	11.80	47,200.00	12.20	48,800.00	14.82	59,280.00	13.50	54,000.00
40(1)	Portland Cement Conc Pavement	16	Cu. Yd.	30.00	480.00	35.00	560.00	45.00	720.00	50.00	800.00	44.78	716.48	60.00	960.00
46(1)	Cl A-1 Conc other than in Bridges	180	Cu. Yd.	60.00	10,800.00	53.30	9,594.00	60.00	10,800.00	48.00	8,640.00	58.83	10,589.40	75.00	13,500.00
46(2)	Cl B-1 Conc other than in Bridges	31	Cu. Yd.	50.00	1,550.00	98.66	3,058.46	66.00	2,046.00	58.00	1,798.00	54.68	1,695.08	60.00	1,860.00
46A-1	Conc in Bridge (Inbound Bridge Widening)		L.S.		8,600.00		7,365.00		9,000.00		7,500.00		6,212.00		11,100.00
46A-2	Conc in Bridge (Outbound Bridge Widening)		L.S.		7,800.00		6,689.00		8,250.00		7,500.00		6,930.00		10,920.00
46C	Conc in Retaining Walls		L.S.		63,600.00		69,946.00		69,000.00		66,000.00		78,480.24		81,660.00
46D-1	Prestress Conc Girders in Br (Inbound Br)		L.S.		2,870.00		2,612.00		3,000.00		3,900.00		3,146.00		3,369.00
46D-2	Prestress Conc Girders in Br (Outbound Br)		L.S.		2,180.00		1,960.00		2,275.00		3,200.00		2,400.00		2,528.00
48(1)	Reinf Steel other than in Bridges	1,850	lb.	0.20	370.00	0.14	259.00	0.15	277.50	0.16	296.00	0.17	314.50	0.20	370.00
48A-1	Reinf Steel in Br (Inbound Br Widening)		L.S.		1,300.00		1,314.00		1,500.00		1,700.00		1,633.00		1,840.00
48A-2	Reinf Steel in Br (Outbound Br Widening)		L.S.		1,355.00		1,367.00		1,550.00		1,700.00		1,699.00		1,960.00
48C	Reinf Steel in Retaining Walls		L.S.		10,360.00		10,456.00		10,500.00		14,000.00		12,992.00		15,480.00
52	Filter Material	375	Cu. Yd.	8.00	3,000.00	5.92	2,220.00	6.75	2,531.25	7.00	2,625.00	7.85	2,943.75	7.50	2,812.50
55(2)	Conc Railing Incl End Posts	179	Lin.Ft.	10.00	1,790.00	11.16	1,997.64	10.25	1,834.75	16.00	2,864.00	8.92	1,596.68	5.00	895.00
55(4)	Aluminum Railing	145	Lin.Ft.	6.70	971.50	6.00	870.00	7.15	1,036.75	8.80	1,276.00	3.04	440.80	6.50	942.50
58(3)	24" Cl III Reinf Conc Culv Pipe	184	Lin.Ft.	8.15	1,499.60	8.77	1,613.68	8.80	1,619.20	11.00	2,024.00	8.89	1,635.76	7.50	1,380.00
58(7)	36" Cl III Reinf Conc Culv Pipe	12	Lin.Ft.	14.00	168.00	15.38	184.56	17.50	210.00	18.00	216.00	15.69	188.28	15.00	180.00
61	Remov, Clean & Relay Exist 36" Culv Pipe	20	Lin.Ft.	4.00	80.00	6.25	125.00	5.00	100.00	18.00	360.00	5.79	115.80	5.00	100.00
67	Centerline Monuments	16	each	20.00	320.00	19.00	304.00	14.50	232.00	40.00	640.00	26.34	421.44	20.00	320.00
69	Reconstr C&C Survey Monuments	2	each	45.00	90.00	40.00	80.00	39.00	78.00	55.00	110.00	52.68	105.36	20.00	40.00
70(1a)	Type A Cast-in-Place Conc Curb	950	Lin.Ft.	2.15	2,042.50	2.97	2,821.50	2.90	2,755.00	2.80	2,660.00	3.41	3,239.50	2.50	2,375.00
70(1b)	Type B Cast-in-Place Conc Curb	190	Lin.Ft.	2.50	475.00	3.37	640.30	3.00	570.00	3.00	570.00	3.60	684.00	2.75	522.50
70(1c)	Type C Cast-in-Place Conc Curb	25	Lin.Ft.	5.00	125.00	8.00	200.00	5.00	125.00	5.00	125.00	5.11	127.75	4.25	106.25
70(1d)	Type D Cast-in-Place Conc Curb	2,000	Lin.Ft.	1.95	3,900.00	2.50	5,000.00	2.70	5,400.00	2.30	4,600.00	3.07	6,140.00	2.50	5,000.00
70(2b)	Type B Cast-in-Place Conc Gutter	1,250	Lin.Ft.	3.60	4,500.00	3.27	4,087.50	3.60	4,500.00	3.70	4,625.00	3.49	4,362.50	2.50	3,125.00
70(3d)	Type DG Cast-in-Place Conc Curb & Gutter	8,240	Lin.Ft.	2.90	23,896.00	2.99	24,637.60	3.25	26,780.00	3.00	24,720.00	3.33	27,439.20	3.00	24,720.00
76	Plain Conc Sidewalk	5,050	Sq. Ft.	0.55	2,777.50	0.48	2,424.00	0.55	2,777.50	0.60	3,030.00	0.75	3,787.50	0.65	3,282.50
78	Asphaltic Conc Traffic Roll	2	ton	25.00	50.00	21.20	42.40	32.00	64.00	25.00	50.00	39.51	79.02	20.00	40.00
80(2)	Metal Guard Rail w/Conc Posts	450	Lin.Ft.	4.40	1,980.00	3.47	1,561.50	4.25	1,912.50	4.70	2,115.00	3.48	1,566.00	4.50	2,025.00
88(4a)	48" Chain Link Fence w/Conc Retaining Walls	1,400	Lin.Ft.	2.30	3,220.00	2.32	3,248.00	2.15	3,010.00	2.20	3,080.00	2.86	4,004.00	3.00	4,200.00
97(5)	Brick Wall for Sewer Manhole	10	Lin.Ft.	35.00	350.00	37.00	370.00	33.00	330.00	60.00	600.00	33.19	331.90	35.00	350.00

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
98(1)	Type A Cast-Iron Frame & Cover for MH	2	Each	50.00	100.00	40.00	80.00	42.00	84.00	60.00	120.00	46.95	93.90	45.00	90.00
98(1a)	Type B Cast-Iron Frame & Cover for Catch Basin	5	Each	45.00	225.00	38.00	190.00	40.00	200.00	60.00	300.00	46.10	230.50	44.00	220.00
98(1b)	Type C Cast-Iron Frame & Cover for Sewer MH	1	Each	50.00	50.00	44.00	44.00	47.00	47.00	60.00	60.00	54.00	54.00	70.00	70.00
98(3b)	Remov, Clean, Paint & Reinstall CI Frame & Cover	2	Each	35.00	70.00	14.00	28.00	8.50	17.00	25.00	50.00	65.85	131.70	30.00	60.00
98(4)	Type A Steel Frame & Grating Assembly	2	Each	500.00	1,000.00	533.00	1,066.00	860.00	1,720.00	500.00	1,000.00	57.95	115.90	500.00	1,000.00
99(1)	Adjusting MH Frame & Cover	40	Each	30.00	1,200.00	39.63	1,585.20	60.00	2,400.00	50.00	2,000.00	94.17	3,766.80	40.00	1,600.00
99(3)	Brick Wall for Reconstructed MH	5	Lin.Ft.	35.00	175.00	28.55	142.75	48.00	240.00	60.00	300.00	30.29	151.45	40.00	200.00
99(4)	Adjusting Telephone Precast Cone Pull Box	3	Each	25.00	75.00	17.80	53.40	50.00	150.00	45.00	135.00	23.71	71.13	100.00	300.00
100(1)	8" CI Pipe, B&S, 0.41" Thick, A-B Pattern	36	Lin.Ft.	6.00	216.00	5.00	180.00	8.00	288.00	12.00	432.00	8.26	297.36	6.75	243.00
100(1a)	12" CI Pipe, CI 150, 0.52" Thick, A-B Pattern	32	Lin.Ft.	10.00	320.00	8.83	282.56	10.00	320.00	16.00	512.00	11.60	371.20	10.00	320.00
100(2)	8" CI Pipe M.J., 0.41" Thick, A-B Pattern	48	Lin.Ft.	6.00	288.00	4.62	221.76	9.00	432.00	8.00	384.00	7.95	381.60	6.00	288.00
100(2a)	12" CI Pipe, CI 150, 0.52" Thick, A-B Pattern	48	Lin.Ft.	10.00	480.00	9.81	470.88	12.75	612.00	11.50	552.00	11.19	537.12	11.00	528.00
100(5)	Cast Iron Fittings	2,200	Lb.	0.43	946.00	0.38	836.00	0.41	902.00	0.45	990.00	0.40	880.00	0.45	990.00
100(10)	2" Galv Pipe incl fittings, valves & appurt	200	Lin.Ft.	1.75	350.00	1.35	270.00	3.80	760.00	3.00	600.00	2.83	566.00	3.00	600.00
100(13)	3/4" Air Relief Valve	1	Each	75.00	75.00	99.00	99.00	89.00	89.00	140.00	140.00	113.26	113.26	85.00	85.00
100(16)	2" Cleanout incl Appurtenances	4	Each	25.00	100.00	22.45	89.80	26.00	104.00	90.00	360.00	36.22	144.88	20.00	80.00
100(17)	Valve Boxes	7	Each	75.00	525.00	50.00	350.00	67.00	469.00	120.00	840.00	48.73	341.11	50.00	350.00
100(18)	Load, Haul, Unload & Install Fire Hydrant	1	Each	60.00	60.00	45.00	45.00	27.00	27.00	200.00	200.00	44.78	44.78	75.00	75.00
100(18a)	Load, Haul, Unload & Install 6" Gate Valves	1	Each	50.00	50.00	20.00	20.00	27.00	27.00	120.00	120.00	65.85	65.85	25.00	25.00
100(19)	Remov, Clean & Reinstall 1/4 Bends & 12x6" Tee		L.S.		100.00		95.00		110.00		170.00		72.44		25.00
100(20)	No. 1 or No. 2 Crushed Rock	60	Cu. Yd.	5.00	300.00	5.68	340.80	7.50	450.00	10.00	600.00	3.25	195.00	6.00	360.00
100(21)	Furn 6" CI Pipe, 0.38" Thick	145	Lin.Ft.	2.90	420.50	2.70	391.50	3.25	471.25	3.00	435.00	3.23	468.35	4.50	652.50
100(21a)	Furn 8" CI Pipe, 0.41" Thick	20	Lin.Ft.	5.00	100.00	4.00	80.00	6.00	120.00	4.00	80.00	5.27	105.40	5.50	110.00
100(21b)	Furn 12" CI Pipe, CI 150, 0.52" Thick	16	Lin.Ft.	8.00	128.00	6.82	109.12	8.30	132.80	8.00	128.00	7.81	124.96	8.50	136.00
100(21d)	Furn Cast Iron Fittings	2,200	Lb.	0.32	704.00	0.29	638.00	0.30	660.00	0.30	660.00	0.36	792.00	0.40	880.00
100(22)	Reloc & Reconstr Exist Meter Boxes		F.A.		500.00		500.00		500.00		500.00		500.00		500.00
101(1)	8" Vitrified Clay Pipe	8	Lin.Ft.	5.00	40.00	4.50	36.00	6.00	48.00	7.00	56.00	4.28	34.24	3.00	24.00
101(3)	Reloc of Exist CI Sewer Main		L.S.		1,100.00		317.00		1,000.00		320.00		873.17		1,000.00
101(4)	Cutting & Plugging Exist Sewer		F.A.		80.00		80.00		80.00		80.00		80.00		80.00
107(2)	Direc, Reg & Warning Signs	25	Each	26.00	650.00	38.76	969.00	40.50	1,012.50	60.00	1,500.00	45.78	1,144.50	45.00	1,125.00
108(1)	Federal-Aid Markers	2	Each	50.00	100.00	46.00	92.00	55.00	110.00	40.00	80.00	36.21	72.42	45.00	90.00
111(3)	Reset Destin, Reg or Warning Signs	58	Each	15.00	870.00	11.13	645.54	10.00	580.00	35.00	2,030.00	18.62	1,079.96	20.00	1,160.00
111(4)	Reset Federal-Aid Markers	3	Each	15.00	45.00	22.00	66.00	35.00	105.00	25.00	75.00	18.44	55.32	25.00	75.00
112	Resetting Light Poles	4	Each	116.50	466.00	117.00	468.00	120.00	480.00	144.00	576.00	145.60	582.40	150.00	600.00
112(1)	Relocating Bracket Arms	3	Each	46.00	138.00	46.35	139.05	47.00	141.00	57.00	171.00	57.59	172.77	50.00	150.00
113	Alteration to Traffic Signal System		L.S.		6,200.00		6,260.00		6,250.00		7,700.00		7,774.25		6,500.00
113(1)	Reloc Exist Traffic Beacon incl Serv Connec		L.S.		825.00		820.00		828.00		1,000.00		1,029.89		200.00
115	Maintaining Detours		F.A.		2,000.00		2,000.00		2,000.00		2,000.00		2,000.00		2,000.00
117	Asphaltic Conc Walkway	27,000	Sq. Ft.	0.19	5,130.00	0.23	6,210.00	0.19	5,130.00	0.22	5,940.00	0.26	7,020.00	0.20	5,400.00
118	Pneumatically Applied Mortar	1,500	Sq. Ft.	0.60	900.00	0.53	795.00	0.55	825.00	0.70	1,050.00	0.66	990.00	0.65	975.00
119	MH for Waiawa Observation Well, Compl in Place		L.S.		785.00		650.00		700.00		663.00		599.23		750.00
120(1)	Excavation for Poles	160	Lin.Ft.	3.80	608.00	3.82	611.20	3.85	616.00	4.50	720.00	1.58	252.80	6.00	960.00
120(2)	Installing Precast Conc Pullboxes	2	Each	55.00	110.00	55.00	110.00	56.00	112.00	240.00	480.00	13.17	26.34	50.00	100.00
120(3)	Installing Pole Anchors	1	Each	50.00	50.00	45.00	45.00	47.00	47.00	60.00	60.00	56.63	56.63	45.00	45.00
120(4)	Install Galv Iron Conduits in Conc Struct	160	Lin.Ft.	0.45	72.00	0.44	70.40	0.45	72.00	0.50	80.00	0.54	86.40	0.60	96.00

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120(5)	Add to & Reinf Exist Conc Enc Duct Sections		F.A.		240.00		240.00		240.00		240.00		240.00				240.00
120(6)	Install Transite Duct Assembly under Bridge		L.S.		420.00		420.00		425.00		500.00		522.85				500.00
	SUM OF ALL ITEMS				410,144.60		412,633.30		422,169.00		462,187.00		466,730.00				469,746.40