

BID TABULATION				ISLAND - OAHU								DEPT OF TRANSPORTATION STATE OF HAWAII			
PROJECT - THE CONSTR OF FARRINGTON HWY WIDENING ULEHAWA STRM TO PILIOKOE GULCH (ULEHAWA STRM TO NANAKULI BRDG) AND FOR THE INSTALLATION OF HWY LIGHTS ON FARRINGTON HWY (NANAKULI AVE TO HAKIMO ROAD)				DATE ADVERTISED - HONOLULU ADVERTISER JUNE 25, 27, 29, JULY 1, 3, 1968											
PROJECT NO. - B-900-01-64, UNIT II AND B-900-01-65				BIDS OPENED - JULY 18, 1968											
				COMPLETION TIME - TWO HUNDRED FORTY (240) WORKING DAYS											
ITEM NO.	ITEM	QUANTITY	UNIT	HIGHWAY CONSTR CO LTD		C W VINCENT INC		J M TANAKA CONSTR INC				UNIT PRICE	AMOUNT		
				\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000							
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT						
6.01	FIELD OFFICE		L.S.	0.00	4000.00	0.00	4000.00	0.00	4000.00			0.00	4000.00		
11.11	REMOVING EXISTING PEDESTRIAN OVERCROSSING AT STATION 147+93		L.S.	0.00	5000.00	0.00	5500.00	0.00	5400.00			0.00	4000.00		
11.12	REMOVING EXISTING CULVERT AT STATION 155+54		L.S.	0.00	10000.00	0.00	10000.00	0.00	10600.00			0.00	1200.00		
11.13	REMOVING PORTION OF EXISTING NANAKULI STREAM BRIDGE AT STATION 184+27		L.S.	0.00	10000.00	0.00	15000.00	0.00	25200.00			0.00	11000.00		
12.01	REMOVING LARGE TREES	8.00	EACH	100.00	800.00	500.00	4000.00	200.00	1600.00			200.00	1600.00		
13.01	ROADWAY EXCAVATION	18650.00	CU YD	6.00	111900.00	7.00	130550.00	7.70	143605.00			2.75	51287.50		
13.02	FOOTPATH EXCAVATION	350.00	CU YD	8.00	2800.00	10.00	3500.00	12.20	4270.00			2.00	700.00		
14.01	STRUCTURE EXCAVATION OTHER THAN AT BRIDGES	2670.00	CU YD	10.00	26700.00	15.00	40050.00	30.20	80634.00			12.00	32040.00		
14.08	STRUCTURE EXCAVATION FOR TELEPHONE SYSTEM	11.00	CU YD	20.00	220.00	15.00	165.00	65.00	715.00			60.00	660.00		
14.60	STRUCTURE EXCAVATION FOR BRIDGES	1248.00	CU YD	12.00	14976.00	15.00	18720.00	52.60	65644.80			15.00	18720.00		
15.01	DITCH AND CHANNEL EXCAVATION	680.00	CU YD	8.00	5440.00	8.00	5440.00	25.00	17000.00			4.00	2720.00		
20A.02	UNTREATED BASE FOR STRUCTURE FOUNDATION	61.00	CU YD	10.00	610.00	16.00	976.00	20.00	1220.00			10.00	610.00		
20A.10	UNTREATED BASE FOR PIPE FOUNDATION (WATER SYSTEM)	20.00	CU YD	10.00	200.00	30.00	600.00	20.00	400.00			8.00	160.00		
23.01	WATERING	550.00	MG	5.00	2750.00	3.50	1925.00	7.00	3850.00			4.00	2200.00		
24.02	SELECT BORROW SUBBASE COURSE	7750.00	CU YD	5.00	38750.00	8.00	62000.00	6.75	52312.50			6.00	46500.00		
24.13	CORAL SELECT BORROW FOR SHOULDER	800.00	CU YD	5.00	4000.00	12.00	9600.00	8.00	6400.00			8.00	6400.00		
26.02	UNTREATED BASE	6360.00	CU YD	6.00	38160.00	8.00	50880.00	9.00	57240.00			8.80	55968.00		
26.03	UNTREATED BASE FOR FOOTPATH	260.00	CU YD	7.00	1820.00	10.00	2600.00	12.00	3120.00			2.00	520.00		
29.01	BROOMING OFF	16800.00	SQ YD	0.03	504.00	0.05	840.00	0.05	840.00			0.03	504.00		
30.01	MEDIUM CURING LIQUID ASPHALT (MC-30) FOR PRIME COAT	7900.00	GAL	0.30	2370.00	0.30	2370.00	0.30	2370.00			0.30	2370.00		
30.02	MEDIUM CURING LIQUID ASPHALT (MC-30) FOR FOOTPATH	1100.00	GAL	0.35	385.00	0.35	385.00	0.35	385.00			0.30	330.00		
31.01	EMULSIFIED ASPHALT, MIXING TYPE (SS-1) FOR TACK COAT	4200.00	GAL	0.30	1260.00	0.30	1260.00	0.25	1050.00			0.25	1050.00		
32.02	MEDIUM CURING LIQUID ASPHALT (MC-800) FOR SEAL COAT	2000.00	GAL	0.40	800.00	0.40	800.00	0.35	700.00			0.30	600.00		
32.61	CRUSHED ROCK, SIZE NO. 8, FOR SEAL COAT	50.00	TON	22.00	1100.00	25.00	1250.00	20.00	1000.00			18.00	900.00		
39.03	ASPHALT CONCRETE PAVEMENT, MIX NO. III	6800.00	TON	13.00	88400.00	14.00	95200.00	13.20	89760.00			13.80	93840.00		
39.05	ASPHALT CONCRETE PAVEMENT, MIX NO. V	3600.00	TON	13.00	46800.00	14.00	50400.00	13.70	49320.00			13.25	47700.00		
39.06	ASPHALT CONCRETE FOOTPATH	27200.00	SQ FT	0.22	5984.00	0.25	6800.00	0.25	6800.00			0.13	3536.00		
46.062	CONCRETE IN NANAKULI STREAM BRIDGE		L.S.	0.00	47500.00	0.00	40897.00	0.00	63000.00			0.00	31700.00		
46.063	CONCRETE IN CULVERT AT STATION 155+54		L.S.	0.00	24000.00	0.00	19000.00	0.00	22000.00			0.00	17600.00		
46.101	CLASS A-1 CONCRETE OTHER THAN IN BRIDGES	40.00	CU YD	110.00	4400.00	150.00	6000.00	200.00	8000.00			125.00	5000.00		
46.108	CLASS A-1 CONCRETE FOR TELEPHONE SYSTEM	3.00	CU YD	120.00	360.00	55.00	165.00	300.00	900.00			230.00	690.00		
46.201	CLASS B-1 CONCRETE OTHER THAN IN BRIDGES	81.00	CU YD	100.00	8100.00	70.00	5670.00	80.00	6480.00			60.00	4860.00		
46P.22	PRESTRESSED CONCRETE TEES IN NANAKULI STREAM BRIDGE		L.S.	0.00	30000.00	0.00	37000.00	0.00	28500.00			0.00	27900.00		
48.01	REINFORCING STEEL OTHER THAN IN BRIDGES	7000.00	LB	0.40	2800.00	0.45	3150.00	0.40	2800.00			0.18	1260.00		
48.08	REINFORCING STEEL FOR TELEPHONE SYSTEM	250.00	LB	0.50	125.00	0.55	137.50	0.60	150.00			0.35	87.50		

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(ULEHAWA STRM TO NANAKULI BRDG) AND FOR THE INSTALLATION OF
HWY LIGHTS ON FARRINGTON HWY (NANAKULI AVE TO HAKIMO ROAD)

PROJECT NO. - B-900-01-64, UNIT II AND B-900-01-65

ISLAND - OAHU

DATE ADVERTISED - HONOLULU ADVERTISER JUNE 25, 27, 29, JULY 1, 3, 1968

BIDS OPENED - JULY 18, 1968

COMPLETION TIME - TWO HUNDRED FORTY (240) WORKING DAYS

				HIGHWAY CONSTR CO LTD		C W VINCENT INC		J M TANAKA CONSTR INC				DEPT OF TRANSPORTATION STATE OF HAWAII	
				\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000					
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT
48.62	REINFORCING STEEL IN NANAKULI STREAM BRIDGE		L.S.	0.00	17000.00	0.00	18000.00	0.00	17000.00			0.00	11346.30
48.63	REINFORCING STEEL IN CULVERT AT STATION 155+54		L.S.	0.00	7000.00	0.00	7000.00	0.00	7000.00			0.00	4451.40
52.01	FILTER MATERIALS	83.00	CU YD	10.00	830.00	15.00	1245.00	15.00	1245.00			10.00	830.00
54A.06	MODIFIED TYPE A-2 STEEL FRAME AND GRATES	7.00	EACH	300.00	2100.00	700.00	4900.00	800.00	5600.00			700.00	4900.00
55.10	METAL BRIDGE RAILING	220.00	LIN FT	22.00	4840.00	25.00	5500.00	20.00	4400.00			15.00	3300.00
55.50	CONCRETE BRIDGE PARAPET, INCLUDING END POST	270.00	LIN FT	3.50	945.00	20.00	5400.00	15.00	4050.00			10.00	2700.00
58.118	24-INCH REINFORCED CONCRETE CULVERT PIPE, CLASS III	2500.00	LIN FT	15.00	37500.00	17.00	42500.00	15.00	37500.00			11.00	27500.00
62.01	CEMENT RUBBLE MASONRY	252.00	CU YD	50.00	12600.00	55.00	13860.00	50.00	12600.00			45.00	11340.00
65.01	GROUTED RUBBLE PAVING	12.00	CU YD	55.00	660.00	65.00	780.00	60.00	720.00			55.00	660.00
67.02	CENTERLINE AND REFERENCE SURVEY MONUMENTS	3.00	EACH	100.00	300.00	55.00	165.00	50.00	150.00			40.00	120.00
70.540	TYPE DG CAST-IN-PLACE CONCRETE CURB AND GUTTER	90.00	LIN FT	8.00	720.00	10.00	900.00	5.00	450.00			4.00	360.00
76B.01	REINFORCED CONCRETE SIDEWALK	470.00	SQ FT	1.00	470.00	1.00	470.00	1.25	587.50			1.25	587.50
78.01	ASPHALTIC CONCRETE TRAFFIC ROLL	210.00	TON	23.00	4830.00	25.00	5250.00	20.00	4200.00			30.00	6300.00
80.02A1	METAL GUARD RAIL WITH CONCRETE POSTS	420.00	LIN FT	7.00	2940.00	10.00	4200.00	12.00	5040.00			7.50	3150.00
80.05A2	METAL GUARD RAIL WITH STEEL POSTS	420.00	LIN FT	6.00	2520.00	9.00	3780.00	6.30	2646.00			6.00	2520.00
97.11	BRICK WALL FOR TYPE E STORM DRAIN MANHOLES	8.00	LIN FT	60.00	480.00	55.00	440.00	50.00	400.00			50.00	400.00
97.18	BRICK WALL FOR TYPE C WATER MANHOLES	28.00	LIN FT	60.00	1680.00	55.00	1540.00	45.00	1260.00			40.00	1120.00
97.47	EXISTING TYPE C WATER MANHOLE TO BE COMPLETELY DEMOLISHED	24.00	LIN FT	55.00	1320.00	15.00	360.00	15.00	360.00			15.00	360.00
98.15	TYPE A CAST IRON FRAME AND COVER FOR STORM DRAIN MANHOLE	2.00	EACH	80.00	160.00	90.00	180.00	100.00	200.00			75.00	150.00
98.26	20-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE	2.00	EACH	75.00	150.00	80.00	160.00	90.00	180.00			80.00	160.00
98.41	REMOVING, CLEANING, PAINTING, AND REINSTALLING 20-INCH CAST IRON FRAME AND COVER	4.00	EACH	50.00	200.00	45.00	180.00	60.00	240.00			30.00	120.00
99.26	ADJUSTING 20-INCH CAST IRON FRAME AND COVER FOR WATER MANHOLE	18.00	EACH	50.00	900.00	60.00	1080.00	100.00	1800.00			85.00	1530.00
99.42	BRICK WALL FOR RECONSTRUCTED TYPE C WATER MANHOLE	2.00	LIN FT	100.00	200.00	55.00	110.00	70.00	140.00			40.00	80.00
99.55	ADJUSTING VALVE BOX FRAME AND COVER	20.00	EACH	50.00	1000.00	60.00	1200.00	50.00	1000.00			50.00	1000.00
99.65	ADJUSTING SURVEY MONUMENT CAST IRON FRAME AND COVER	5.00	EACH	50.00	250.00	30.00	150.00	75.00	375.00			65.00	325.00
100.0002	FURNISHING 6-INCH CAST IRON PIPE	110.00	LIN FT	3.00	330.00	3.50	385.00	4.00	440.00			4.00	440.00
100.0003	FURNISHING 8-INCH CAST IRON PIPE	16.00	LIN FT	5.00	80.00	5.00	80.00	6.00	96.00			5.00	80.00
100.0030	FURNISHING 12-INCH CAST IRON PIPE (CLASS 200)	43.00	LIN FT	10.00	430.00	8.00	344.00	8.00	344.00			7.50	322.50
100.0143	FURNISHING 24-INCH CONCRETE CYLINDER PIPE (CLASS 150)	14.00	LIN FT	40.00	560.00	30.00	420.00	40.00	560.00			19.00	266.00
100.0283	FURNISHING 24-INCH SPLIT BUTT STRAP	2.00	EACH	250.00	500.00	130.00	260.00	175.00	350.00			120.00	240.00
100.0483	FURNISHING 24-INCH CONCRETE CYLINDER BEND (0 DEG TO 22.5 DEG INCLUSIVE) (CLASS 150)	2.00	EACH	300.00	600.00	285.00	570.00	400.00	800.00			330.00	660.00
100.0613	FURNISHING 24-INCH CONCRETE CYLINDER PIPE NIPPLE (CLASS 150) SPIGOT AND PLAIN END	2.00	EACH	230.00	460.00	220.00	440.00	300.00	600.00			175.00	350.00

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ITEM NO.	ITEM	QUANTITY	UNIT	HIGHWAY CONSTR CO LTD		C W VINCENT INC		J M TANAKA CONSTR INC				DEPT OF TRANSPORTATION STATE OF HAWAII	
				\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		\$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000				UNIT PRICE	AMOUNT
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			UNIT PRICE	AMOUNT
107.51	REGULATORY AND WARNING SIGN WITH POST	12.00	EACH	70.00	840.00	50.00	600.00	75.00	900.00			40.00	480.00
111.80	RESET REGULATORY AND WARNING SIGN	1.00	EACH	30.00	30.00	25.00	25.00	25.00	25.00			22.00	22.00
111.81	RESET REGULATORY AND WARNING SIGN WITH POST	5.00	EACH	40.00	200.00	30.00	150.00	50.00	250.00			35.00	175.00
112.003	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT-MAST ARMS ON WOOD POLE		L.S.	0.00	500.00	0.00	550.00	0.00	530.00			0.00	650.00
112.004	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT-MAST ARMS ON JOINT POLE		L.S.	0.00	10000.00	0.00	11000.00	0.00	10150.00			0.00	20800.00
112.700	HIGHWAY LIGHTING SYSTEM, MULTIPLE CIRCUIT-CABLES AND WIRES		L.S.	0.00	500.00	0.00	500.00	0.00	500.00			0.00	1550.00
120.0001	EXCAVATION FOR POLES	279.00	LIN FT	15.00	4185.00	16.00	4464.00	15.55	4338.45			15.00	4185.00
120.0003	INSTALLING GROUND RODS	4.00	EACH	33.00	132.00	36.00	144.00	35.00	140.00			27.00	108.00
120.0005	INSTALLING POLE ANCHOR	16.00	EACH	120.00	1920.00	130.00	2080.00	125.00	2000.00			120.00	1920.00
120.0013	INSTALLING PRECAST METER BOX	1.00	EACH	65.00	65.00	75.00	75.00	70.00	70.00			40.00	40.00
120.0014	INSTALLING PRECAST PULL BOX	1.00	EACH	490.00	490.00	90.00	90.00	90.00	90.00			100.00	100.00
120.0025	FURNISHING AND INSTALLING 1-INCH PVC CONDUIT AND RISER (DIRECT BURIAL)	12.00	LIN FT	2.00	24.00	2.50	30.00	3.00	36.00			1.50	18.00
120.0111	RELOCATING SIGNAL CORPS CABLE	3486.00	LIN FT	3.40	11852.40	4.00	13944.00	3.60	12549.60			3.00	10458.00
120.1242	INSTALLING TWO 4-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	35.00	LIN FT	10.00	350.00	20.00	700.00	20.00	700.00			7.00	245.00
120.1246	INSTALLING SIX 4-INCH PLASTIC DUCTS IN PLAIN CONCRETE JACKET	120.00	LIN FT	20.00	2400.00	27.00	3240.00	30.00	3600.00			14.00	1680.00
120.3801	FURNISHING AND INSTALLING INSERTS FOR ONE 4-INCH GALVANIZED STEEL PIPE CONDUIT	8.00	EACH	15.00	120.00	50.00	400.00	45.00	360.00			20.00	160.00
120.3802	INSTALLING ONE 4-INCH GALVANIZED STEEL PIPE CONDUIT (DIRECT BURIAL)	51.00	LIN FT	20.00	1020.00	9.00	459.00	8.40	428.40			5.00	255.00
120.3808	FURNISHING AND INSTALLING INSERTS FOR EIGHT 4-INCH GALVANIZED STEEL PIPE CONDUITS	16.00	EACH	10.00	160.00	45.00	720.00	45.00	720.00			20.00	320.00
120.6142	INSTALLING TWO 4-INCH GALVANIZED STEEL CONDUITS IN CONCRETE STRUCTURE	31.00	LIN FT	15.00	465.00	5.00	155.00	4.50	139.50			1.50	46.50
120.6144	INSTALLING FOUR 4-INCH GALVANIZED STEEL CONDUITS IN CONCRETE STRUCTURE	31.00	LIN FT	5.00	155.00	9.00	279.00	8.00	248.00			3.00	93.00
120.7141	INSTALLING ONE 4-INCH GALVANIZED STEEL CONDUIT SUSPENDED ON STEEL SUPPORTS FROM NEW CONCRETE STRUCTURE	94.00	LIN FT	7.00	658.00	4.00	376.00	3.75	352.50			4.00	376.00
126.01	CONSTRUCTION AND MAINTENANCE OF SPECIAL DETOURS		F.A.	0.00	5000.00	0.00	5000.00	0.00	5000.00			0.00	5000.00
129.10	TYPE A PAVEMENT MARKERS	2256.00	EACH	1.00	2256.00	1.10	2481.60	1.50	3384.00			0.85	1917.60
129.30	TYPE C PAVEMENT MARKERS	188.00	EACH	3.50	658.00	3.10	582.80	3.50	658.00			2.30	432.40
129.40	TYPE D PAVEMENT MARKERS	211.00	EACH	3.00	633.00	3.00	633.00	3.50	738.50			2.30	485.30
	SUM OF ALL ITEMS				711343.90		828665.15		945104.50				630975.00

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(ULEHAWA STRM TO NANAKULI BRDG) AND FOR THE INSTALLATION OF
HWY LIGHTS ON FARRINGTON HWY (NANAKULI AVE TO HAKIMO ROAD)
PROJECT NO. - B-900-01-64, UNIT II AND B-900-01-65

	HIGHWAY CONSTR CO LTD \$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		C W VINCENT INC \$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000		J M TANAKA CONSTR INC \$2,500 + 2 PERCENT OF AMOUNT BID OVER \$50,000				DEPT OF TRANSPORTATION STATE OF HAWAII		ALTERNATE AMOUNT
	ALTERNATE AMOUNT	AMOUNT	ALTERNATE AMOUNT	AMOUNT	ALTERNATE AMOUNT	AMOUNT	ALTERNATE AMOUNT	AMOUNT	ALTERNATE AMOUNT	AMOUNT	
Sum of All Items (Brought Forward)		\$ 711,343.90		\$ 828,665.15		\$ 945,104.50				\$ 630,975.00	
<u>Alternate</u>											
Deduct more Expensive Sum											
Item No. 80.02A1	\$ 2,940.00	- 2,940.00	\$ 4,200.00	- 4,200.00	\$ 5,040.00	- 5,040.00			\$ 3,150.00	- 3,150.00	
Item No. 80.05A2	2,520.00		3,780.00		2,646.00				2,520.00		
AMOUNT FOR COMPARISON OF BIDS		<u>\$ 708,403.90</u>		<u>\$ 824,465.15</u>		<u>\$ 940,064.50</u>				<u>\$ 627,825.00</u>	
I certify that this is a true and correct tabulation of the bids opened for this project.											
Seung Fa Yuen 7/22/68 Design Engineer Date											