

TABULATION OF BIDS

PROJECT: QUEEN KAAHUMANU HIGHWAY INSTALLATION OF TRAFFIC SIGNALS AT HINA-LANI STREET PROJECT NO: 19A-01-98 NET LENGTH OF PROJECT: 0.3 MILE ISLAND: HAWAII DISTRICT: NORTH KONA TYPE CODE: Y031 DATE ADVERTISED: HONOLULU STAR BULLETIN & WEST HAWAII TODAY - JUNE 9, 2000 BIDS OPENED: June 28, 2000 COMPLETION TIME: EIGHTY (80) WORKING DAYS				WASA ELECTRICAL SERVICES, INC.		T & T ELECTRIC		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
209.0100	Erosion Control	F.A.	F.A.	F.A.	\$ 10,000.00	F.A.	\$ 10,000.00	F.A.	\$ 10,000.00
304.1110	Aggregate Base Course	50	C.Y.	\$ 197.00	\$ 9,850.00	\$ 264.00	\$ 13,200.00	\$ 160.00	\$ 8,000.00
312.0100	Plant Mix Glassphalt Concrete Base Course	35	Tons	\$ 166.00	\$ 5,810.00	\$ 167.00	\$ 5,845.00	\$ 100.00	\$ 3,500.00
401.0400	Asphalt Concrete Pavement, Mix IV	80	Tons	\$ 149.00	\$ 11,920.00	\$ 150.00	\$ 12,000.00	\$ 100.00	\$ 8,000.00
606.3111	Guardrail Type 3 - Single with Steel Post	140	L.F.	\$ 38.00	\$ 5,320.00	\$ 79.00	\$ 11,060.00	\$ 50.00	\$ 7,000.00
609.6000	Bituminous Curb, Type 6	210	L.F.	\$ 35.00	\$ 7,350.00	\$ 35.00	\$ 7,350.00	\$ 30.00	\$ 6,300.00
621.4112	Reflector Marker (RM-2) with Flexible Delineator (Type B Installation)	6	Each	\$ 150.00	\$ 900.00	\$ 79.00	\$ 474.00	\$ 60.00	\$ 360.00
621.4200	Reflector Marker (RM-4), Band Mounted Traffic Signal Pole	5	Each	\$ 200.00	\$ 1,000.00	\$ 144.00	\$ 720.00	\$ 100.00	\$ 500.00
621.5000	Regulatory and Warning Sign (10 Sq. Ft. or Less) without Post	2	Each	\$ 250.00	\$ 500.00	\$ 215.00	\$ 430.00	\$ 400.00	\$ 800.00
621.5100	Regulatory and Warning Sign (10 Sq. Ft. or Less) with Post	3	Each	\$ 350.00	\$ 1,050.00	\$ 317.00	\$ 951.00	\$ 500.00	\$ 1,500.00
621.7100	Construction Sign (10 Sq. Ft. or Less) Without Posts	2	Each	\$ 500.00	\$ 1,000.00	\$ 454.00	\$ 908.00	\$ 300.00	\$ 600.00
621.7101	Construction Sign (10 Sq. Ft. or Less) With Two Posts	3	Each	\$ 500.00	\$ 1,500.00	\$ 454.00	\$ 1,362.00	\$ 400.00	\$ 1,200.00
621.7102	Construction Sign (Greater Than 10 Sq. Ft.) With Two Posts	3	Each	\$ 500.00	\$ 1,500.00	\$ 454.00	\$ 1,362.00	\$ 600.00	\$ 1,800.00
621.8000	Street Name Sign Mounted On Mast Arm	1	Each	\$ 3,500.00	\$ 3,500.00	\$ 1,496.00	\$ 1,496.00	\$ 1,400.00	\$ 1,400.00
622.0121	Highway Lighting Standard, Single Bracket, Luminaire and Foundation with Transformer Base (180 Watt Low Pressure Sodium)	4	Each	\$ 3,724.00	\$ 14,896.00	\$ 3,438.00	\$ 13,752.00	\$ 4,000.00	\$ 16,000.00
622.0508	Waterproof Fuse Connector with Fuse and Appurtenances	12	Each	\$ 61.00	\$ 732.00	\$ 58.00	\$ 696.00	\$ 60.00	\$ 720.00
622.5031	One 2-Inch PVC Ductline, Schedule 80 for Highway Lighting (20 L.F.)	L.S.	L.S.	L.S.	\$ 1,980.00	L.S.	\$ 2,022.00	L.S.	\$ 1,400.00
622.5035	One 2-Inch PVC Ductline, Schedule 40, Concrete Encased for Highway Lighting (440 L.F.)	L.S.	L.S.	L.S.	\$ 25,214.00	L.S.	\$ 44,363.00	L.S.	\$ 46,200.00

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ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
622.5041	No.6, 3-Conductor Power Cable (900 L.F.)	L.S.	L.S.	L.S.	\$ 2,066.00	L.S.	\$ 4,860.00	L.S.	\$ 6,300.00
622.5045	No. 10, 2-Conductor Cable for Highway Lighting (30 L.F.)	L.S.	L.S.	L.S.	\$ 256.00	L.S.	\$ 342.00	L.S.	\$ 90.00
622.7000	Type A Pullbox for Highway Lighting with Modified Cover	3	Each	\$ 1,109.00	\$ 3,327.00	\$ 1,289.00	\$ 3,867.00	\$ 1,000.00	\$ 3,000.00
623.2002	Controller Assembly (Model 170 Traffic Signal Controller Unit Type, 332A Cabinet and Auxiliary Equipment)	1	Each	\$ 17,451.00	\$ 17,451.00	\$ 17,407.00	\$ 17,407.00	\$ 24,000.00	\$ 24,000.00
623.2003	Uninterrupted Power Supply Assembly, Cabinet and Auxiliary Equipment	1	Each	\$ 19,380.00	\$ 19,380.00	\$ 18,678.00	\$ 18,678.00	\$ 20,000.00	\$ 20,000.00
623.2011	Type I Signal Standard	3	Each	\$ 545.00	\$ 1,635.00	\$ 516.00	\$ 1,548.00	\$ 1,000.00	\$ 3,000.00
623.2026	Type III Signal Standard with 30 Foot Mast Arm and 15-Foot Highway Lighting Bracket Arm with 180 Watts Low Pressure Sodium Luminaire	1	Each	\$ 5,458.00	\$ 5,458.00	\$ 4,743.00	\$ 4,743.00	\$ 6,000.00	\$ 6,000.00
623.2028	Type III Signal Standard with 35 Foot Mast Arm and 15-Foot Highway Lighting Bracket Arm with 180 Watts Low Pressure Sodium Luminaire	1	Each	\$ 6,100.00	\$ 6,100.00	\$ 5,296.00	\$ 5,296.00	\$ 7,000.00	\$ 7,000.00
623.2030	Foundation for Type I Signal Standard	3	Each	\$ 860.00	\$ 2,580.00	\$ 643.00	\$ 1,929.00	\$ 1,000.00	\$ 3,000.00
623.2047	Foundation for Type III Signal Standard	2	Each	\$ 2,545.00	\$ 5,090.00	\$ 3,369.00	\$ 6,738.00	\$ 5,000.00	\$ 10,000.00
623.2050	Foundation for Controller Cabinet/ Uninterrupted Power Supply	1	Each	\$ 4,327.00	\$ 4,327.00	\$ 4,324.00	\$ 4,324.00	\$ 4,000.00	\$ 4,000.00
623.3000	Traffic Signal Assembly (One-Way, 12-Inch, 1-3 Section Vertical with Slipfitter Mounting)	2	Each	\$ 1,001.00	\$ 2,002.00	\$ 908.00	\$ 1,816.00	\$ 900.00	\$ 1,800.00
623.3004	Traffic Signal Assembly (Two-Way, 12-Inch, 1-4 Section and 1-3 Section Vertical with Slipfitter Mounting)	1	Each	\$ 1,853.00	\$ 1,853.00	\$ 1,706.00	\$ 1,706.00	\$ 1,500.00	\$ 1,500.00
623.3040	Traffic Signal Assembly (Two-Way, 12-Inch, 2-3 Section Vertical with Bracket Mounting)	1	Each	\$ 1,900.00	\$ 1,900.00	\$ 1,753.00	\$ 1,753.00	\$ 1,300.00	\$ 1,300.00
623.3060	Traffic Signal Assembly (One-Way, 12-Inch, 1-3 Section Vertical with Mast Arm Mounting) with Back Plate	4	Each	\$ 1,013.00	\$ 4,052.00	\$ 920.00	\$ 3,680.00	\$ 900.00	\$ 3,600.00

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ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
623.3064	Traffic Signal Assembly (One-Way, 12-Inch, 1-4 Section Vertical with Mast Arm Mounting) with Back Plate	1	Each	\$ 1,535.00	\$ 1,535.00	\$ 1,433.00	\$ 1,433.00	\$ 1,100.00	\$ 1,100.00
623.3700	Opticom Receiver (Mast Arm Mounting)	2	Each	\$ 723.00	\$ 1,446.00	\$ 876.00	\$ 1,752.00	\$ 800.00	\$ 1,600.00
623.3720	Opticom Receiver (TP1W-EVP Mounting)	1	Each	\$ 705.00	\$ 705.00	\$ 857.00	\$ 857.00	\$ 800.00	\$ 800.00
623.4020	Pedestrian Signal Assembly (One-Way, 12-Inch, One Vertical with Bracket Mounting)	2	Each	\$ 765.00	\$ 1,530.00	\$ 738.00	\$ 1,476.00	\$ 1,000.00	\$ 2,000.00
623.4025	Pedestrian Signal Assembly (Two-Way, 12-Inch, Vertical with Bracket Mounting)	1	Each	\$ 1,544.00	\$ 1,544.00	\$ 1,529.00	\$ 1,529.00	\$ 1,300.00	\$ 1,300.00
623.4040	Pedestrian Push Button with Instruction Sign	4	Each	\$ 222.00	\$ 888.00	\$ 259.00	\$ 1,036.00	\$ 600.00	\$ 2,400.00
623.5000	Traffic Signal Ductline, One 2-Inch Conduit, Schedule 80 (250 L.F.)	L.S.	L.S.	L.S.	\$ 28,000.00	L.S.	\$ 25,264.00	L.S.	\$ 17,500.00
623.5010	Traffic Signal Ductline, Two 2-Inch Conduit, Schedule 80 (140 L.F.)	L.S.	L.S.	L.S.	\$ 10,692.00	L.S.	\$ 14,438.00	L.S.	\$ 11,200.00
623.5100	Traffic Signal Ductline, One 2-Inch PVC Conduit, Schedule 40, Concrete Encased (270 L.F.)	L.S.	L.S.	L.S.	\$ 20,621.00	L.S.	\$ 27,223.00	L.S.	\$ 28,350.00
623.5120	Traffic Signal Ductline, Two 2-Inch PVC Conduit, Schedule 40, Concrete Encased (140 L.F.)	L.S.	L.S.	L.S.	\$ 10,692.00	L.S.	\$ 14,309.00	L.S.	\$ 16,100.00
623.5130	Traffic Signal Ductline, Three 2-Inch and One 1 1/2-Inch PVC Conduit, Schedule 40, Concrete Encased (100 L.F.)	L.S.	L.S.	L.S.	\$ 6,797.00	L.S.	\$ 10,830.00	L.S.	\$ 13,000.00
623.5140	Traffic Signal Ductline, Four 2-Inch PVC Conduit, Schedule 40, Concrete Encased (80 L.F.)	L.S.	L.S.	L.S.	\$ 13,619.00	L.S.	\$ 8,858.00	L.S.	\$ 10,800.00
623.5145	Traffic Signal Ductline, Four 2-Inch and One 1-Inch PVC Conduits, Schedule 40, Concrete Encased (70 L.F.)	L.S.	L.S.	L.S.	\$ 11,917.00	L.S.	\$ 8,024.00	L.S.	\$ 9,800.00
623.5147	Traffic Signal Ductline, Four 2-Inch and One 1 1/2-Inch PVC Conduits, Schedule 40, Concrete Encased (5 L.F.)	L.S.	L.S.	L.S.	\$ 2,000.00	L.S.	\$ 574.00	L.S.	\$ 700.00
623.5150	Traffic Signal Ductline, Five 2-Inch PVC Conduit, Schedule 40, Concrete Encased (100 L.F.)	L.S.	L.S.	L.S.	\$ 17,024.00	L.S.	\$ 11,750.00	L.S.	\$ 15,000.00

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PROJECT: QUEEN KAAHUMANU HIGHWAY INSTALLATION OF TRAFFIC SIGNALS AT HINA-LANI STREET PROJECT NO: 19A-01-98 NET LENGTH OF PROJECT: 0.3 MILE ISLAND: HAWAII DISTRICT: NORTH KONA TYPE CODE: Y031 DATE ADVERTISED: HONOLULU STAR BULLETIN & WEST HAWAII TODAY - JUNE 9, 2000 BIDS OPENED: June 28, 2000 COMPLETION TIME: EIGHTY (80) WORKING DAYS				WASA ELECTRICAL SERVICES, INC.		T & T ELECTRIC		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
623.5200	Traffic Signal Ductline, One 3-Inch PVC Conduit, Schedule 40, Concrete Encased (180 L.F.)	L.S.	L.S.	L.S.	\$ 10,800.00	L.S.	\$ 19,494.00	L.S.	\$ 19,800.00
623.6000	Type A Pullbox	5	Each	\$ 1,300.00	\$ 6,500.00	\$ 1,154.00	\$ 5,770.00	\$ 900.00	\$ 4,500.00
623.6000	Type A Pullbox with Modified Cover	2	Each	\$ 1,500.00	\$ 3,000.00	\$ 1,384.00	\$ 2,768.00	\$ 1,000.00	\$ 2,000.00
623.6010	Type B Pullbox with Modified Cover	5	Each	\$ 1,600.00	\$ 8,000.00	\$ 1,602.00	\$ 8,010.00	\$ 1,200.00	\$ 6,000.00
623.6020	Type C Pullbox	1	Each	\$ 1,723.00	\$ 1,723.00	\$ 1,652.00	\$ 1,652.00	\$ 1,300.00	\$ 1,300.00
623.7010	No.2, 3-Conductor Power Cable (180 L.F.)	L.S.	L.S.	L.S.	\$ 878.00	L.S.	\$ 1,215.00	L.S.	\$ 1,440.00
623.7020	No. 4, 3-Conductor Power Cable (5 L.F.)	L.S.	L.S.	L.S.	\$ 261.00	L.S.	\$ 270.00	L.S.	\$ 40.00
623.7030	No. 14, 26-Conductor Traffic Control Cable (620 L.F.)	L.S.	L.S.	L.S.	\$ 3,274.00	L.S.	\$ 4,526.00	L.S.	\$ 4,340.00
623.7040	No. 16, 2-Conductor Loop Detector / Pedestrian Pushbutton Lead-in Cable (2020 L.F.)	L.S.	L.S.	L.S.	\$ 3,745.00	L.S.	\$ 3,449.00	L.S.	\$ 6,060.00
623.7070	No. 20, 3-Conductor Opticom Receiver Cable (550 L.F.)	L.S.	L.S.	L.S.	\$ 1,508.00	L.S.	\$ 2,662.00	L.S.	\$ 1,650.00
623.7080	Loop Detector Sensing Unit, 6' x 8'	2	Each	\$ 650.00	\$ 1,300.00	\$ 1,100.00	\$ 2,200.00	\$ 1,000.00	\$ 2,000.00
623.7082	Loop Detector Sensing Unit, 6' x 40'	1	Each	\$ 990.00	\$ 990.00	\$ 1,800.00	\$ 1,800.00	\$ 2,000.00	\$ 2,000.00
623.7084	Loop Detector Sensing Unit, 6' x 60'	3	Each	\$ 1,373.00	\$ 4,119.00	\$ 2,700.00	\$ 8,100.00	\$ 2,300.00	\$ 6,900.00
623.9005	Double Meter Socket with Pedestal, Breakers and Cabinets	1	Each	\$ 4,100.00	\$ 4,100.00	\$ 2,055.00	\$ 2,055.00	\$ 10,000.00	\$ 10,000.00
629.0110	4-Inch White Pavement Striping - or Thermoplastic Extrusion (4000 L.F.)	L.S.	L.S.	L.S.	\$ 3,750.00	L.S.	\$ 3,726.00	L.S.	\$ 12,000.00
629.0120	4-Inch Yellow Pavement Striping - Thermoplastic Extrusion (100 L.F.)	L.S.	L.S.	L.S.	\$ 100.00	L.S.	\$ 94.00	L.S.	\$ 300.00
629.0220	8-Inch White Pavement Striping - Thermoplastic Extrusion (750 L.F.)	L.S.	L.S.	L.S.	\$ 1,100.00	L.S.	\$ 1,079.00	L.S.	\$ 2,250.00

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PROJECT: QUEEN KAAHUMANU HIGHWAY
 INSTALLATION OF TRAFFIC SIGNALS AT HINA-LANI STREET
 PROJECT NO: 19A-01-98 NET LENGTH OF PROJECT: 0.3 MILE
 ISLAND: HAWAII DISTRICT: NORTH KONA TYPE CODE: Y031
 DATE ADVERTISED: HONOLULU STAR BULLETIN & WEST HAWAII TODAY - JUNE 9, 2000
 BIDS OPENED: June 28, 2000
 COMPLETION TIME: EIGHTY (80) WORKING DAYS

WASA ELECTRICAL SERVICES, INC.

T & T ELECTRIC

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
629.1010	12-Inch White Pavement Striping - Thermoplastic Extrusion (120 L.F.)	L.S.	L.S.	L.S.	\$ 300.00	L.S.	\$ 283.00	L.S.	\$ 720.00
629.1020	12-Inch Yellow Pavement Striping - Thermoplastic Extrusion (1000 L.F.)	L.S.	L.S.	L.S.	\$ 2,400.00	L.S.	\$ 2,358.00	L.S.	\$ 6,000.00
629.1023	Double 4-Inch Yellow Pavement Striping - Thermoplastic Extrusion (1800 L.F.)	L.S.	L.S.	L.S.	\$ 2,575.00	L.S.	\$ 2,588.00	L.S.	\$ 7,200.00
629.1027	Pedestrian Crosswalk Markings - Thermoplastic Extrusion	8	Lane	\$ 600.00	\$ 4,800.00	\$ 581.00	\$ 4,648.00	\$ 300.00	\$ 2,400.00
629.1030	Pavement Arrows - Thermoplastic Extrusion	4	Each	\$ 200.00	\$ 800.00	\$ 173.00	\$ 692.00	\$ 150.00	\$ 600.00
629.1040	Pavement Symbols - Thermoplastic Extrusion	2	Each	\$ 500.00	\$ 1,000.00	\$ 200.00	\$ 400.00	\$ 150.00	\$ 300.00
629.1050	Paint Bituminous Curb (White) (210 L.F.)	L.S.	L.S.	L.S.	\$ 400.00	L.S.	\$ 363.00	L.S.	\$ 840.00
629.2010	Type A Pavement Marker	50	Each	\$ 4.00	\$ 200.00	\$ 5.00	\$ 250.00	\$ 9.00	\$ 450.00
629.2030	Type C Pavement Marker	140	Each	\$ 9.00	\$ 1,260.00	\$ 9.00	\$ 1,260.00	\$ 9.00	\$ 1,260.00
629.2040	Type D Pavement Marker	10	Each	\$ 9.00	\$ 90.00	\$ 9.00	\$ 90.00	\$ 9.00	\$ 90.00
629.2070	Type H Pavement Marker	100	Each	\$ 9.00	\$ 900.00	\$ 9.00	\$ 900.00	\$ 9.00	\$ 900.00
645.0200	Additional Police Officers and/or Additional Traffic Control Devices	F.A.	F.A.	F.A.	\$ 35,000.00	F.A.	\$ 35,000.00	F.A.	\$ 35,000.00
651.0100	Reconstruction of Weakened Pavement Areas	110	C.Y.	\$ 117.00	\$ 12,870.00	\$ 153.00	\$ 16,830.00	\$ 85.00	\$ 9,350.00
699.1000	Mobilization (Not to Exceed 10% of the Sum of All Items Excluding the Bid Price of this Item and Force Account Items.)	L.S.	L.S.	L.S.	\$ 38,000.00	L.S.	\$ 33,000.00	L.S.	\$ 48,790.00

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ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SUM OF ALL ITEMS					\$ 466,252.00		\$ 503,563.00		\$ 538,000.00
PREFERENCES (FOR BID EVALUATION)									
A. HAWAII PRODUCTS					\$0.00		\$0.00		\$0.00
B. IN-STATE CONTRACTOR					\$0.00		\$0.00		\$0.00
AMOUNT FOR COMPARISON OF BIDS					\$ 466,252.00		\$ 503,563.00		\$ 538,000.00
PROJECT MANAGER: KARL KUNISHIGE DATE: July 25, 2000									