

TABULATION OF BIDS

PROJECT: Queen Kaahumanu Highway Improvements at Waikoloa Beach Drive and Waikoloa Road PROJECT NO.: 19C-01-02 Net Length of Project: 1.70 Miles ISLAND: Hawaii DISTRICT: South Kohala DATE ADVERTISED: Honolulu Star-Bulletin, Hawaii Tribune Herald, West Hawaii Today - May 24, 2002 BIDS OPENED: June 28, 2002 COMPLETION TIME: One Hundred (100) Working Days				T & T ELECTRIC, INC.		WASA ELECTRICAL SERVICES, INC.		* PAUL'S ELECTRICAL SERVICE, INC.	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
ITEM NO.	ITEM	QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
✓ 209.0100	✓ Water Pollution and Erosion Control	FA	FA	FA	\$35,000.00	FA	\$35,000.00	FA	\$35,000.00	FA	\$35,000.00
✓ 609.6000	✓ Bituminous Curb, Type 6	684	LF	\$31.68	\$21,669.12	\$35.00	\$23,940.00	\$40.00	\$27,360.00	\$35.00	\$23,940.00
✓ 621.0200	✓ Panel for Destination Sign	42	SF	\$25.30	\$1,062.60	\$80.00	\$3,360.00	\$85.00	\$3,570.00	\$42.00	\$1,764.00
✓ 621.1300	✓ Breakaway Sign Post (S3 x 5.7) and Foundation for Destination Sign	4	EACH	\$935.00	\$3,740.00	\$1,780.00	\$7,120.00	\$1,800.00	\$7,200.00	\$1,850.00	\$7,400.00
✓ 621.1400	✓ Street Name Sign on Traffic Signal Mast Arm	4	EACH	\$1,540.00	\$6,160.00	\$2,258.00	\$9,032.00	\$1,420.00	\$5,680.00	\$2,000.00	\$8,000.00
✓ 621.5000	✓ Regulatory and Warning Sign (10 square feet or less)	5	EACH	\$225.50	\$1,127.50	\$329.00	\$1,645.00	\$375.00	** \$1,875.00	\$250.00	\$1,250.00
✓ 621.5100	✓ Regulatory and Warning Sign (10 square feet or less) with post	11	EACH	\$302.50	\$3,327.50	\$315.00	\$3,465.00	\$325.00	** \$3,575.00	\$350.00	\$3,850.00
✓ 621.5300	✓ Regulatory and Warning Sign (greater than 10 square feet) with post	9	EACH	\$401.50	\$3,613.50	\$464.00	\$4,176.00	\$585.00	** \$5,265.00	\$500.00	\$4,500.00
✓ 621.7200	✓ Construction Sign with Two Posts	6	EACH	\$467.50	\$2,805.00	\$487.00	\$2,922.00	\$800.00	\$4,800.00	\$500.00	\$3,000.00
✓ 622.0050	✓ Highway Lighting Ductline, One 2-inch PVC, Schedule 40, Concrete Encased (2,500 L.F.)	LS	LS	LS	\$240,000.00	LS	\$64,404.00	LS	\$340,000.00	LS	\$237,500.00
✓ 622.0055	✓ Highway Lighting Power Cable, 3-Conductor No. 6 and No. 8 Ground (3,000 L.F.)	LS	LS	LS	\$15,750.00	LS	\$6,442.00	LS	\$28,000.00	LS	\$21,000.00
✓ 622.0060	✓ Highway Lighting Cable, 2-Conductor Cable No. 10 (500 L.F.)	LS	LS	LS	\$1,412.50	LS	\$1,236.00	LS	\$1,750.00	LS	\$1,500.00
✓ 622.0100	✓ Highway Lighting Standard, Pole, Bracket Arm, Luminaire and Foundation	17	EACH	\$3,831.20	\$65,130.40	\$3,974.00	\$67,558.00	\$8,500.00	\$144,500.00	\$4,000.00	\$68,000.00

TABULATION OF BIDS

PROJECT: Queen Kaahumanu Highway Improvements at Waikoloa Beach Drive and Waikoloa Road PROJECT NO.: 19C-01-02 Net Length of Project: 1.70 Miles ISLAND: Hawaii DISTRICT: South Kohala DATE ADVERTISED: Honolulu Star-Bulletin, Hawaii Tribune Herald, West Hawaii Today - May 24, 2002 BIDS OPENED: June 28, 2002 COMPLETION TIME: One Hundred (100) Working Days				T & T ELECTRIC, INC.		WASA ELECTRICAL SERVICES, INC.		* PAUL'S ELECTRICAL SERVICE, INC.		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ITEM NO.	ITEM	QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
✓ 622.0150	✓ Waterproof Fuse Connectors with Fuse and Appurtenances	17	EACH	\$44.10	\$749.70	\$61.00	\$1,037.00	\$75.00	\$1,275.00	\$75.00	\$1,275.00
✓ 622.5050	✓ Electric Service Ductline, 2-2" PVC Concrete Encased (7,000 L.F.)	LS	LS	LS	\$672,000.00	LS	\$1,094,806.00	LS	\$1,302,123.00	LS	\$700,000.00
✓ 622.5055	✓ Electric Service Pullbox, 2 x 4	22	EACH	\$932.00	\$20,504.00	\$1,493.00	\$32,846.00	\$500.00	\$11,000.00	\$1,100.00	\$24,200.00
✓ 622.5060	✓ Electric Service Transformer Pad	2	EACH	\$580.00	\$1,160.00	\$2,066.00	\$4,132.00	\$1,200.00	\$2,400.00	\$800.00	\$1,600.00
622.5065	✓ HELCO Electric Service Connection Charge	FA	FA	FA	\$50,000.00	FA	\$50,000.00	FA	\$50,000.00	FA	\$50,000.00
✓ 622.5070	✓ Electric Service Equipment	1	EACH	\$3,570.70	\$3,570.70	\$6,086.00	\$6,086.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
✓ 623.0001	✓ Controller Assembly (Model 170 Traffic Signal Controller Unit Type 332A Cabinet and Auxiliary Equipment)	2	EACH	\$18,243.60	\$36,487.20	\$19,045.00	\$38,090.00	\$21,100.00	\$42,200.00	\$22,000.00	\$44,000.00
✓ 623.2003	✓ Uninterruptible Power Supply Assembly, Cabinet and Auxiliary Equipment	2	EACH	\$15,017.30	\$30,034.60	\$16,351.00	\$32,702.00	\$17,500.00	\$35,000.00	\$20,000.00	\$40,000.00
✓ 623.2011	✓ Type I Traffic Signal Standard	4	EACH	\$503.40	\$2,013.60	\$547.00	\$2,188.00	\$1,000.00	\$4,000.00	\$1,000.00	\$4,000.00
✓ 623.2025	✓ Type III Traffic Signal Standard with 25 Foot Mast Arm and 15-Foot Highway Lighting Bracket Arm with 180 Watt Low Pressure Sodium Luminaire	2	EACH	\$5,657.40	\$11,314.80	\$7,006.00	\$14,012.00	\$5,800.00	\$11,600.00	\$6,000.00	\$12,000.00
✓ 623.2026	✓ Type III Traffic Signal Standard with 40 Foot Mast Arm and 15-Foot Highway Lighting Bracket Arm with 180 Watt Low Pressure Sodium Luminaire	2	EACH	\$7,260.10	\$14,520.20	\$8,715.00	\$17,430.00	\$7,625.00	\$15,250.00	\$7,500.00	\$15,000.00
✓ 623.2030	✓ Foundation for Type I Signal Standard	4	EACH	\$595.60	\$2,382.40	\$890.00	\$3,560.00	\$750.00	\$3,000.00	\$1,000.00	\$4,000.00
✓ 623.2047	✓ Foundation for Type III Signal Standard	4	EACH	\$4,461.80	\$17,847.20	\$2,584.00	\$10,336.00	\$1,620.00	\$6,480.00	\$5,000.00	\$20,000.00

TABULATION OF BIDS

PROJECT: Queen Kaahumanu Highway Improvements at Waikoloa Beach Drive and Waikoloa Road PROJECT NO.: 19C-01-02 Net Length of Project: 1.70 Miles ISLAND: Hawaii DISTRICT: South Kohala DATE ADVERTISED: Honolulu Star-Bulletin, Hawaii Tribune Herald, West Hawaii Today - May 24, 2002 BIDS OPENED: June 28, 2002 COMPLETION TIME: One Hundred (100) Working Days				T & T ELECTRIC, INC.		WASA ELECTRICAL SERVICES, INC.		* PAUL'S ELECTRICAL SERVICE, INC.		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ITEM NO.	ITEM	QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
✓ 623.2050	✓ Foundation for Controller Cabinet/Uninterruptible Power Unit	2	EACH	\$4,010.00	\$8,020.00	\$4,269.00	\$8,538.00	\$1,750.00	\$3,500.00	\$4,500.00	\$9,000.00
✓ 623.3000	✓ Traffic Signal Assembly (One-Way, 12-Inch, 1-3 Section Vertical with Slipfitter Mounting)	2	EACH	\$834.50	\$1,669.00	\$1,025.00	\$2,050.00	\$2,875.00	\$5,750.00	\$900.00	\$1,800.00
✓ 623.3001	✓ Traffic Signal Assembly (Two-Way, 12-Inch, 2-3 Section Vertical with Slipfitter Mounting)	2	EACH	\$1,560.10	\$3,120.20	\$1,936.00	\$3,872.00	\$2,200.00	\$4,400.00	\$2,000.00	\$4,000.00
✓ 623.3002	✓ Traffic Signal Assembly (Two-Way, 12-Inch, 2-3 Section Vertical with Bracket Mounting)	1	EACH	\$1,468.80	\$1,468.80	\$1,841.00	\$1,841.00	\$2,765.00	\$2,765.00	\$2,400.00	\$2,400.00
✓ 623.3004	✓ Traffic Signal Assembly (Three-Way, 12-Inch, 3-3 Section Vertical with Bracket Mounting)	2	EACH	\$2,243.90	\$4,487.80	\$2,838.00	\$5,676.00	\$3,450.00	\$6,900.00	\$3,400.00	\$6,800.00
✓ 623.3050	✓ Traffic Signal Assembly (One-Way, 12-Inch, 1-3 Section Vertical with Mast Arm Mounting with Black Plate)	11	EACH	\$742.10	\$8,163.10	\$940.00	\$10,340.00	\$2,150.00	\$23,650.00	\$1,200.00	\$13,200.00
✓ 623.3700	✓ Opticom Receiver (Mast Arm Mounting)	4	EACH	\$894.60	\$3,578.40	\$833.00	\$3,332.00	\$970.00	\$3,880.00	\$900.00	\$3,600.00
✓ 623.3720	✓ Opticom Receiver (TP1W-EVP Mounting)	2	EACH	\$866.00	\$1,732.00	\$804.00	\$1,608.00	\$925.00	\$1,850.00	\$900.00	\$1,800.00
✓ 623.5000	✓ Traffic Signal Ductline, One 2-Inch Conduit, Schedule 80, Direct Buried (1,000 L.F.)	LS	LS	LS	\$116,000.00	LS	\$60,052.00	LS	\$97,000.00	LS	\$70,000.00
✓ 623.5010	✓ Traffic Signal Ductline, One 2-Inch Conduit, Schedule 40, Direct Buried (300 L.F.)	LS	LS	LS	\$34,800.00	LS	\$50,502.00	LS	\$27,000.00	LS	\$27,000.00
✓ 623.5020	✓ Traffic Signal Ductline, Two 2-Inch Conduit, Schedule 40, Concrete Encased (350 L.F.)	LS	LS	LS	\$40,600.00	LS	\$85,019.00	LS	\$32,600.00	LS	\$35,000.00
✓ 623.5030	✓ Traffic Signal Ductline, Three 2-Inch Conduit, Schedule 40, Concrete Encased (195 L.F.)	LS	LS	LS	\$22,620.00	LS	\$43,880.00	LS	\$19,000.00	LS	\$21,450.00

TABULATION OF BIDS

PROJECT: Queen Kaahumanu Highway Improvements at Waikoloa Beach Drive and Waikoloa Road PROJECT NO.: 19C-01-02 Net Length of Project: 1.70 Miles ISLAND: Hawaii DISTRICT: South Kohala DATE ADVERTISED: Honolulu Star-Bulletin, Hawaii Tribune Herald, West Hawaii Today - May 24, 2002 BIDS OPENED: June 28, 2002 COMPLETION TIME: One Hundred (100) Working Days				T & T ELECTRIC, INC.		WASA ELECTRICAL SERVICES, INC.		* PAUL'S ELECTRICAL SERVICE, INC.	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
ITEM NO.	ITEM	QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
✓ 623.5040	✓ Traffic Signal Ductline, Four 2-Inch Conduit, Schedule 40, Concrete Encased (310 L.F.)	LS	LS	LS	\$35,960.00	LS	\$49,349.00	LS	\$42,000.00	LS	\$37,200.00
✓ 623.5050	✓ Traffic Signal Ductline, Six 2-Inch Conduit, Schedule 40 Concrete Encased (35 L.F.)	LS	LS	LS	\$4,060.00	LS	\$38,407.00	LS	\$7,500.00	LS	\$4,550.00
✓ 623.6000	✓ Type A Pullbox	13	EACH	\$734.00	\$9,542.00	\$1,265.00	\$16,445.00	\$850.00	\$11,050.00	\$1,200.00	\$15,600.00
✓ 623.6010	✓ Type B Pullbox	12	EACH	\$888.00	\$10,656.00	\$1,618.00	\$19,416.00	\$1,050.00	\$12,600.00	\$1,500.00	\$18,000.00
✓ 623.6020	✓ Type C Pullbox	2	EACH	\$1,042.00	\$2,084.00	\$1,859.00	\$3,718.00	\$1,200.00	\$2,400.00	\$2,000.00	\$4,000.00
✓ 623.7010	✓ No. 2, 3-Conductor Power Cable (320 L.F.)	LS	LS	LS	\$2,384.00	LS	\$878.00	LS	\$2,800.00	LS	\$2,560.00
✓ 623.7030	✓ No. 14, 26-Conductor Traffic Control Cable (900 L.F.)	LS	LS	LS	\$6,480.00	LS	\$8,490.00	LS	\$4,875.00	LS	\$9,000.00
✓ 623.7040	✓ No. 16, 2-Conductor Loop Detector Lead-In Cable (4,000 L.F.)	LS	LS	LS	\$7,320.00	LS	\$11,136.00	LS	\$8,250.00	LS	\$12,000.00
✓ 623.7070	✓ No. 20, 3-Conductor Opticom Receiver Cable (1,000 L.F.)	LS	LS	LS	\$3,660.00	LS	\$5,301.00	LS	\$4,800.00	LS	\$3,000.00
✓ 623.7080	✓ Preformed Loop Detector Sensing Unit, 6' x 6', One Loop	4	EACH	\$978.30	\$3,913.20	\$923.00	\$3,692.00	\$900.00	\$3,600.00	\$1,000.00	\$4,000.00
✓ 623.7081	✓ Preformed Loop Detector Sensing Unit, 6' x 40', One Loop	10	EACH	\$1,816.10	\$18,161.00	\$2,191.00	\$21,910.00	\$1,800.00	\$18,000.00	\$2,000.00	\$20,000.00
✓ 623.7082	✓ Preformed Loop Detector Sensing Unit, 6' x 60', One Loop	2	EACH	\$2,783.60	\$5,567.20	\$3,856.00	\$7,712.00	\$2,700.00	\$5,400.00	\$2,400.00	\$4,800.00
✓ 623.9005	✓ Service Equipment	1	EACH	\$3,570.70	\$3,570.70	\$6,199.00	\$6,199.00	\$14,500.00	\$14,500.00	\$5,000.00	\$5,000.00
✓ 623.9010	✓ Concrete Pad for Controller and UPS	2	EACH	\$1,000.00	\$2,000.00	\$3,482.00	** \$6,964.00	\$1,125.00	\$2,250.00	\$1,200.00	\$2,400.00

TABULATION OF BIDS

PROJECT: Queen Kaahumanu Highway Improvements at Waikoloa Beach Drive and Waikoloa Road PROJECT NO.: 19C-01-02 Net Length of Project: 1.70 Miles ISLAND: Hawaii DISTRICT: South Kohala DATE ADVERTISED: Honolulu Star-Bulletin, Hawaii Tribune Herald, West Hawaii Today - May 24, 2002 BIDS OPENED: June 28, 2002 COMPLETION TIME: One Hundred (100) Working Days				T & T ELECTRIC, INC.		WASA ELECTRICAL SERVICES, INC.		* PAUL'S ELECTRICAL SERVICE, INC.		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ITEM NO.	ITEM	QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
✓ 623.9050	✓ County of Hawaii Charges for Technical Assistance (Programming, Testing, and Start-Up) (Not to Exceed \$10,000.00)	LS	LS	LS	\$10,000.00	LS	\$10,000.00	LS	\$10,000.00	LS	\$10,000.00
✓ 629.1011	✓ 4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	755	LF	\$1.16	** \$875.80	\$2.00	\$1,510.00	\$10.00	\$7,550.00	\$1.25	\$943.75
✓ 629.1012	✓ 4-Inch Double Yellow Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	20	LF	\$2.31	\$46.20	\$3.00	\$60.00	\$17.00	\$340.00	\$2.50	\$50.00
✓ 629.1013	✓ 8-Inch Pavement Striping (Tape, Type II or Thermoplastic Extrusion)	330	LF	\$2.31	\$762.30	\$3.00	\$990.00	\$17.00	\$5,610.00	\$3.00	\$990.00
✓ 629.1014	✓ 12-Inch Pavement Striping (Tape, Type III or Thremoplastic Extrusion)	116	LF	\$3.47	** \$402.52	\$5.00	\$580.00	\$23.00	\$2,668.00	\$5.00	\$580.00
✓ 629.1030	✓ Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)	22	EACH	\$165.00	\$3,630.00	\$200.00	\$4,400.00	\$375.00	\$8,250.00	\$200.00	\$4,400.00
✓ 629.2010	✓ Type A Pavement Markers	68	EACH	\$7.98	** \$542.64	\$9.00	\$612.00	\$11.00	\$748.00	\$8.00	\$544.00
✓ 629.2030	✓ Type C Pavement Markers	34	EACH	\$7.98	** \$271.32	\$9.00	\$306.00	\$12.00	\$408.00	\$8.00	\$272.00
✓ 629.3050	✓ Pavement Bike Route Symbol (Biker and Arrow) (Paint)	8	EACH	\$275.00	\$2,200.00	\$300.00	\$2,400.00	\$165.00	\$1,320.00	\$200.00	\$1,600.00
✓ 629.4000	✓ Curb, Type 6 Markings (Paint)	684	LF	\$2.75	\$1,881.00	\$3.00	\$2,052.00	\$3.25	\$2,223.00	\$2.00	\$1,368.00
✓ 636.0200	✓ Field Office (Not to Exceed \$32,000)	LS	LS	LS	\$21,278.40	LS	\$32,000.00	LS	\$32,000.00	LS	\$32,000.00
✓ 645.0200	✓ Additional Police Officers and/or Additional Traffic Control Devices	FA	FA	FA	\$50,000.00	FA	\$50,000.00	FA	\$50,000.00	FA	\$50,000.00

TABULATION OF BIDS

PROJECT: Queen Kaahumanu Highway Improvements at Waikoloa Beach Drive and Waikoloa Road PROJECT NO.: 19C-01-02 Net Length of Project: 1.70 Miles ISLAND: Hawaii DISTRICT: South Kohala DATE ADVERTISED: Honolulu Star-Bulletin, Hawaii Tribune Herald, West Hawaii Today - May 24, 2002 BIDS OPENED: June 28, 2002 COMPLETION TIME: One Hundred (100) Working Days				T & T ELECTRIC, INC.		WASA ELECTRICAL SERVICES, INC.		* PAUL'S ELECTRICAL SERVICE, INC.		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ITEM NO.	ITEM	QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
✓ 699.1000 ✓	Mobilization (Not to exceed 10% of the sum of all items excluding the bid price of this item, field office, and force account items.)	LS	LS	LS	\$32,578.00	LS	\$136,102.00	LS	\$240,000.00	LS	\$161,163.25
	Sum of Items				** \$1,749,468.10		** \$2,254,864.00		** \$2,827,340.00		\$1,939,850.00
	A. Hawaii Products				\$0.00		\$0.00		\$0.00		\$0.00
	B. In-State Contractor				\$0.00		\$0.00		\$0.00		\$0.00
	AMOUNT FOR COMPARISON OF BIDS				** \$1,749,468.10		** \$2,254,864.00		** \$2,827,340.00		\$1,939,850.00
	* Bid Rejected										
	** Corrected Figure										
	Project Manager: Christine Yamasaki										
	Date: July 5, 2002										