

TABULATION OF BIDS

PROJECT: HONOAPIILANI HIGHWAY INSTALLATION OF TRAFFIC SIGNALS AT NAPILIHAI STREET				SITE ENGINEERING, INC.		TESHIMA ELECTRIC, INC.		STATE OF HAWAII DEPT. OF TRANSPORTATION HIGHWAYS DIVISION	
PROJECT NO: STP-030-1(33)									

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PROJECT; HONOAPIILANI HIGHWAY INSTALLATION OF TRAFFIC SIGNALS AT NAPILIHOU STREET									
PROJECT NO: STP-030-1(33) NET LENGTH OF PROJECT: 0.20 MILE									
ISLAND: MAUI DISTRICT: LAHAINA TYPE CODE: Y031, Y060				SITE ENGINEERING, INC.		TESHIMA ELECTRIC, INC.		STATE OF HAWAII DEPT. OF TRANSPORTATION HIGHWAYS DIVISION	
DATE ADVERTISED: HONOLULU STAR BULLETIN - AUGUST 27, 1999 MAUI NEWS - AUGUST 27, 1999									
BIDS OPENED: SEPTEMBER 23, 1999									
COMPLETION TIME: FIFTY (50) WORKING DAYS									
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
621.7100	CONSTRUCTION SIGN WITH POST(S)	6	EACH	\$ 467.48	\$ 2,804.88	\$ 600.00	\$ 3,600.00	\$ 400.00	\$ 2,400.00
621.8000	STREET NAME SIGN ON TRAFFIC SIGNAL MAST ARM	1	EACH	\$ 989.32	\$ 989.32	\$ 120.00	\$ 120.00	\$ 400.00	\$ 400.00
621.8100	DESTINATION SIGN (GREATER THAN 10 SQ. FT) WITH POST(S)	1	EACH	\$ 5,164.04	\$ 5,164.04	\$ 600.00	\$ 600.00	\$ 1,000.00	\$ 1,000.00
622.2015	2 FEET X 4 FEET MECO HANDHOLE	9	EACH	\$ 978.45	\$ 8,806.05	\$ 1,394.00	\$ 12,546.00	\$ 1,100.00	\$ 9,900.00
622.2020	4 FEET X 6 FEET MECO HANDHOLE	1	EACH	\$ 4,892.25	\$ 4,892.25	\$ 7,715.00	\$ 7,715.00	\$ 4,600.00	\$ 4,600.00
622.2025	SINGLE PHASE MECO TRANSFORMER PAD	1	EACH	\$ 761.02	\$ 761.02	\$ 5,218.00	\$ 5,218.00	\$ 850.00	\$ 850.00
622.3015	CONCRETE STREET LIGHT BASE	6	EACH	\$ 1,522.03	\$ 9,132.18	\$ 1,403.00	\$ 8,418.00	\$ 950.00	\$ 5,700.00
622.3020	INSTALLATION OF LUMINAIRE ON TYPE III TRAFFIC SIGNAL STANDARD	2	EACH	\$ 1,108.91	\$ 2,217.82	\$ 1,532.00	\$ 3,064.00	\$ 800.00	\$ 1,600.00
623.2002	CONTROLLER ASSEMBLY (MODEL 170E CONTROLLER UNIT, MODEL 332A CABINET) AND 2 PIPE BARRIERS.	1	EACH	\$ 27,179.16	\$ 27,179.16	\$ 19,203.00	\$ 19,203.00	\$ 20,000.00	\$ 20,000.00
623.2003	METER PEDESTAL INCLUDING FRAMEWORK, PULLBOX, METER SOCKET, AND 50 AMP CIRCUIT BREAKER	1	EACH	\$ 1,630.75	\$ 1,630.75	\$ 6,373.00	\$ 6,373.00	\$ 3,000.00	\$ 3,000.00
623.2010	TYPE I SIGNAL STANDARD	5	EACH	\$ 761.02	\$ 3,805.10	\$ 1,351.00	\$ 6,755.00	\$ 500.00	\$ 2,500.00
623.2011	TYPE III SIGNAL STANDARD WITH 30 FOOT MAST ARM WITH 18 FOOT STREET LIGHT MAST ARM	1	EACH	\$ 8,744.08	\$ 8,744.08	\$ 4,681.00	\$ 4,681.00	\$ 7,000.00	\$ 7,000.00
623.2012	TYPE III SIGNAL STANDARD WITH 45 FOOT MAST ARM WITH 18 FOOT STREET LIGHT MAST ARM	1	EACH	\$ 9,784.50	\$ 9,784.50	\$ 5,316.00	\$ 5,316.00	\$ 8,000.00	\$ 8,000.00
623.2020	PEDESTRIAN PUSHBUTTON PEDESTAL	4	EACH	\$ 445.74	\$ 1,782.96	\$ 762.00	\$ 3,048.00	\$ 200.00	\$ 800.00
623.2030	FOUNDATION FOR TYPE I SIGNAL STANDARD	5	EACH	\$ 326.15	\$ 1,630.75	\$ 1,440.00	\$ 7,200.00	\$ 300.00	\$ 1,500.00
623.2031	FOUNDATION FOR TYPE III-30 SIGNAL STANDARD	1	EACH	\$ 2,391.77	\$ 2,391.77	\$ 3,800.00	\$ 3,800.00	\$ 2,500.00	\$ 2,500.00

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PROJECT NO: STP-030-1(33)		NET LENGTH OF PROJECT: 0.20 MILE									
ISLAND: MAUI		DISTRICT: LAHAINA								TYPE CODE: Y031, Y060	
DATE ADVERTISED: HONOLULU STAR BULLETIN - AUGUST 27, 1999 MAUI NEWS - AUGUST 27, 1999											
BIDS OPENED: SEPTEMBER 23, 1999											
COMPLETION TIME: FIFTY (50) WORKING DAYS											
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
623.2032	FOUNDATION FOR TYPE III-45 SIGNAL STANDARD	1	EACH	\$ 2,391.77	\$ 2,391.77	\$ 3,856.00	\$ 3,856.00	\$ 5,000.00	\$ 5,000.00		
623.2040	FOUNDATION FOR PEDESTRIAN PUSHBUTTON PEDESTAL	4	EACH	\$ 353.33	\$ 1,413.32	\$ 1,718.00	\$ 6,872.00	\$ 300.00	\$ 1,200.00		
623.2050	FOUNDATION FOR CONTROLLER ASSEMBLY	1	EACH	\$ 978.45	\$ 978.45	\$ 2,292.00	\$ 2,292.00	\$ 700.00	\$ 700.00		
623.2051	FOUNDATION FOR METER PEDESTAL	1	EACH	\$ 434.87	\$ 434.87	\$ 1,441.00	\$ 1,441.00	\$ 600.00	\$ 600.00		
623.2060	PEDESTRIAN PUSHBUTTON	6	EACH	\$ 223.96	\$ 1,343.76	\$ 560.00	\$ 3,360.00	\$ 300.00	\$ 1,800.00		
623.3000	TRAFFIC SIGNAL ASSEMBLY (ONE-WAY, 12-INCH, 1-3 SECTION , WITH SLIPFITTER MOUNTING)	3	EACH	\$ 625.12	\$ 1,875.36	\$ 1,358.00	\$ 4,074.00 *	\$ 950.00	\$ 2,850.00		
623.3010	TRAFFIC SIGNAL ASSEMBLY (TWO-WAY, 12-INCH, 2-3 SECTION, WITH SLIPFITTER MOUNTING)	2	EACH	\$ 1,304.60	\$ 2,609.20	\$ 2,144.00	\$ 4,288.00	\$ 1,800.00	\$ 3,600.00		
623.3020	TRAFFIC SIGNAL ASSEMBLY (ONE-WAY, 12-INCH, 1-3 SECTION , WITH BRACKET MOUNTING)	3	EACH	\$ 761.02	\$ 2,283.06	\$ 1,429.00	\$ 4,287.00	\$ 850.00	\$ 2,550.00		
623.3030	TRAFFIC SIGNAL ASSEMBLY (ONE-WAY, 12-INCH, 1-3 SECTION WITH MAST ARM MOUNTING)	4	EACH	\$ 826.25	\$ 3,305.00	\$ 1,369.00	\$ 5,476.00	\$ 750.00	\$ 3,000.00		
623.3040	TRAFFIC SIGNAL ASSEMBLY (ONE-WAY, 12-INCH, 1-3 SECTION, PROGRAMMED VISIBILITY, WITH MAST ARM MOUNTING)	2	EACH	\$ 1,837.31	\$ 3,674.62	\$ 2,044.00	\$ 4,088.00	\$ 1,900.00	\$ 3,800.00		
623.3050	PEDESTRIAN SIGNAL ASSEMBLY (ONE-WAY, 12-INCH, ONE VERTICAL WITH UNDERSLUNG MOUNTING)	6	EACH	\$ 869.73	\$ 5,218.38	\$ 1,236.00	\$ 7,416.00	\$ 750.00	\$ 4,500.00		
623.3080	OPTICAL RECEIVER WITH MAST ARM MOUNTING	2	EACH	\$ 869.73	\$ 1,739.46	\$ 1,927.00	\$ 3,854.00	\$ 750.00	\$ 1,500.00		
623.3081	OPTICAL RECEIVER WITH TOP OF POLE MOUNTING	2	EACH	\$ 869.73	\$ 1,739.46	\$ 1,039.00	\$ 2,078.00	\$ 700.00	\$ 1,400.00		
623.5001	ONE 2-INCH DIRECT BURIED CONDUIT SCHEDULE 80 (6 LIN. FT.)	L.S.	L.S.	L.S.	\$ 260.94	L.S.	\$ 1,739.00	L.S.	\$ 180.00		
623.5002	ONE 2-INCH CONCRETE ENCASED CONDUIT SCHEDULE 40 (10 LIN. FT.)	L.S.	L.S.	L.S.	\$ 478.40	L.S.	\$ 1,393.00	L.S.	\$ 350.00		
623.5003	ONE 3-INCH CONCRETE ENCASED CONDUIT SCHEDULE 40 (343 LIN. FT.)	L.S.	L.S.	L.S.	\$ 4,846.59	L.S.	\$ 9,381.00	L.S.	\$ 12,005.00		

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ISLAND: MAUI		DISTRICT: LAHAINA								TYPE CODE: Y031, Y060	
DATE ADVERTISED: HONOLULU STAR BULLETIN - AUGUST 27, 1999 MAUI NEWS - AUGUST 27, 1999											
BIDS OPENED: SEPTEMBER 23, 1999											
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ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
623.5004	TWO 2-INCH CONCRETE ENCASED CONDUIT SCHEDULE 40 (30 LIN. FT.)	L.S.	L.S.	L.S.	\$ 2,120.10	L.S.	\$ 2,247.00	L.S.	\$ 1,350.00		
623.5005	TWO 2-INCH DIRECT BURIED CONDUITS SCHEDULE 80 AND ONE 3-INCH CONCRETE ENCASED CONDUIT SCHEDULE 40 (473 LIN. FT.)	L.S.	L.S.	L.S.	\$ 11,825.00	L.S.	\$ 25,257.00	L.S.	\$ 21,285.00		
623.5006	FIVE 2-INCH DIRECT BURIED CONDUITS SCHEDULE 80 (23 L.F.)	L.S.	L.S.	L.S.	\$ 700.12	L.S.	\$ 3,404.00	L.S.	\$ 1,035.00		
623.5007	FIVE 2-INCH DIRECT BURIED CONDUITS SCHEDULE 80 AND ONE 3-INCH CONCRETE ENCASED CONDUIT SCHEDULE 40 (419 LIN. FT.)	L.S.	L.S.	L.S.	\$ 61,496.63	L.S.	\$ 33,586.00	L.S.	\$ 20,950.00		
623.5008	THREE 2-INCH DIRECT BURIED CONDUITS SCHEDULE 80 AND FOUR 3-INCH DIRECT BURIED CONDUITS SCHEDULE 80 (8 LIN. FT.)	L.S.	L.S.	L.S.	\$ 1,835.12	L.S.	\$ 3,267.00	L.S.	\$ 520.00		
623.6010	TYPE A PULLBOX	7	EACH	\$ 1,304.60	\$ 9,132.20	\$ 1,716.00	\$ 12,012.00	\$ 400.00	\$ 2,800.00		
623.6020	TYPE B PULLBOX	6	EACH	\$ 1,413.32	\$ 8,479.92	\$ 1,986.00	\$ 11,916.00	\$ 600.00	\$ 3,600.00		
623.6030	TYPE C PULLBOX	1	EACH	\$ 2,391.77	\$ 2,391.77	\$ 3,803.00	\$ 3,803.00	\$ 800.00	\$ 800.00		
623.7001	TYPE 1 TRAFFIC CONTROL CABLE (1070 LIN. FT.)	L.S.	L.S.	L.S.	\$ 5,820.80	L.S.	\$ 28,433.00	L.S.	\$ 4,280.00		
623.7002	TYPE 2 LOOP DETECTOR LEAD-IN CABLE (2611 LIN. FT.)	L.S.	L.S.	L.S.	\$ 5,953.08	L.S.	\$ 13,363.00	L.S.	\$ 2,611.00		
623.7004	TYPE 6 POWER CABLE (16 LIN. FT.)	L.S.	L.S.	L.S.	\$ 121.76	L.S.	\$ 353.00	L.S.	\$ 80.00		
623.7005	TYPE 7 OPTICAL DETECTOR CABLE (771 LIN. FT.)	L.S.	L.S.	L.S.	\$ 2,513.46	L.S.	\$ 5,347.00	L.S.	\$ 1,157.00		
623.7051	LOOP DETECTOR SENSING UNIT (6' X 6') ONE LOOP	8	EACH	\$ 869.73	\$ 6,957.84	\$ 2,981.00	\$ 23,848.00	\$ 500.00	\$ 4,000.00		
623.7052	LOOP DETECTOR SENSING UNIT (6' X 6') FOUR LOOPS	2	EACH	\$ 2,674.43	\$ 5,348.86	\$ 2,950.00	\$ 5,900.00	\$ 1,600.00	\$ 3,200.00		
623.7053	LOOP DETECTOR SENSING UNIT (6' X 6') SIX LOOPS	2	EACH	\$ 4,131.23	\$ 8,262.46	\$ 3,330.00	\$ 6,660.00	\$ 2,400.00	\$ 4,800.00		
629.1010	DOUBLE 4-INCH PAVEMENT STRIPING (TAPE, TYPE I OR THERMOPLASTIC EXTRUSION) (YELLOW) (419 L.F.)	L.S.	L.S.	L.S.	\$ 827.33	L.S.	\$ 821.00	L.S.	\$ 2,095.00		

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ISLAND: MAUI DISTRICT: LAHAINA TYPE CODE: Y031, Y060				SITE ENGINEERING, INC.		TESHIMA ELECTRIC, INC.		STATE OF HAWAII DEPT. OF TRANSPORTATION HIGHWAYS DIVISION	
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ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
629.1011	DOUBLE 4-INCH PAVEMENT STRIPING (TAPE, TYPE II OR THERMOPLASTIC EXTRUSION) (YELLOW) (1578 L.F.)	L.S.	L.S.	L.S.	\$ 2,973.40	L.S.	\$ 3,655.00	L.S.	\$ 7,890.00
629.1012	4-INCH PAVEMENT STRIPING (TAPE, TYPE I OR THERMOPLASTIC EXTRUSION) (WHITE) (115 L.F.)	L.S.	L.S.	L.S.	\$ 168.51	L.S.	\$ 245.00	L.S.	\$ 575.00
629.1013	4-INCH PAVEMENT STRIPING (TAPE, TYPE II OR THERMOPLASTIC EXTRUSION) (WHITE) (2484 L.F.)	L.S.	L.S.	L.S.	\$ 2,690.74	L.S.	\$ 3,234.00	L.S.	\$ 7,452.00
629.1014	4-INCH PAVEMENT STRIPING (TAPE, TYPE III OR THERMOPLASTIC EXTRUCION (YELLOW) (381 L.F.)	L.S.	L.S.	L.S.	\$ 1,011.06	L.S.	\$ 463.00	L.S.	\$ 1,143.00
629.1015	4 INCH PAVEMENT STRIPING (TAPE, TYPE III OR THERMOPLASTIC EXTRUSION (WHITE) (339 L.F.)	L.S.	L.S.	L.S.	\$ 679.48	L.S.	\$ 412.00	L.S.	\$ 1,017.00
629.1016	8-INCH PAVEMENT STRIPING (TAPE, TYPE I OR THERMOPLASTIC EXTRUSION) (WHITE) (240 L.F.)	L.S.	L.S.	L.S.	\$ 462.05	L.S.	\$ 500.00	L.S.	\$ 1,200.00
629.1017	8-INCH PAVEMENT STRIPING (TAPE, TYPE II OR THERMOPLASTIC EXTRUSION (WHITE) (1278 L.F.)	L.S.	L.S.	L.S.	\$ 2,391.77	L.S.	\$ 2,662.00	L.S.	\$ 5,112.00
629.1018	12-INCH PAVEMENT STRIPING (TAPE TYPE II OR THERMOPLASTIC EXTRUSION) (YELLOW) (270 L.F.)	L.S.	L.S.	L.S.	\$ 570.76	L.S.	\$ 663.00	L.S.	\$ 1,350.00
629.1019	12-INCH PAVEMENT STRIPING (TYPE TYPE III OR THERMOPLASTIC EXTRUSION (WHITE) (237 L.F.)	L.S.	L.S.	L.S.	\$ 837.12	L.S.	\$ 582.00	L.S.	\$ 1,185.00
629.1020	12-INCH CROSSWALK STRIPING (TYPE TYPE III OR THERMOPLASTIC EXTRUSION (WHITE)	10	LANE	\$ 233.74	\$ 2,337.40	\$ 292.00	\$ 2,920.00	\$ 300.00	\$ 3,000.00
629.1040	PAVEMENT ARROWS (TAPE, TYPE III OR THERMOPLASTIC EXTRUSION)	20	EACH	\$ 201.13	\$ 4,022.60	\$ 62.00	\$ 1,240.00	\$ 800.00	\$ 16,000.00
629.1041	PAVEMENT BICYCLE SYMBOLS AND WORD (TAPE, TYPE II OR THERMOPLASTIC EXTRUSION	8	EACH	\$ 288.10	\$ 2,304.80	\$ 99.00	\$ 792.00	\$ 1,000.00	\$ 8,000.00
629.2010	TYPE "A" PAVEMENT MARKERS (16 EACH)	L.S.	L.S.	L.S.	\$ 94.58	L.S.	\$ 84.00	L.S.	\$ 80.00

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629.2030	TYPE "C" PAVEMENT MARKERS (108 EACH)	L.S.	L.S.	L.S.	\$ 809.94	L.S.	\$ 1,021.00	L.S.	\$ 1,080.00		
629.2040	TYPE "D" PAVEMENT MARKERS (24 EACH)	L.S.	L.S.	L.S.	\$ 173.95	L.S.	\$ 229.00	L.S.	\$ 240.00		
629.2070	TYPE "H" PAVEMENT MARKERS (82 EACH)	L.S.	L.S.	L.S.	\$ 625.12	L.S.	\$ 803.00	L.S.	\$ 820.00		
645.2000	ADDITIONAL POLICE OFFICERS AND/OR ADDITIONAL TRAFFIC CONTROL DEVICES	F.A.	F.A.	F.A.	\$ 20,000.00	F.A.	\$ 20,000.00	F.A.	\$ 20,000.00		
650.0200	CURB RAMP, MODIFIED TYPE B	1	EACH	\$ 890.00	\$ 890.00	\$ 1,273.00	\$ 1,273.00	\$ 2,000.00	\$ 2,000.00		
650.0300	CURB RAMP, MODIFIED TYPE E	1	EACH	\$ 3,104.00	\$ 3,104.00	\$ 3,125.00	\$ 3,125.00	\$ 8,000.00	\$ 8,000.00		
	SUM OF ALL ITEMS				\$ 394,495.00		\$ 491,071.95 *		\$ 348,792.00		

* CORRECTED AMOUNT

I certify that this is a true and correct tabulation of bids opened for this project.

Karl Kunishige
Karl Kunishige
Project Manager

10/25/99
Date