

TABULATION OF BIDS											
PROJECT:	KALANIANA'OLE HIGHWAY INTERSECTION IMPROVEMENTS AT WAA STREET			PAUL'S ELECTRIC CONTRACTING, LLC.		JACK ENDO ELECTRIC, INC.		STATE OF HAWAII DEPT. OF TRANSPORTATION HIGHWAYS DIVISION		HAWAII WORKS, INC.	
PROJECT NO: NET LENGTH:	72C-01-19 0.02 Miles										
ISLAND: DISTRICT:	OAHU HONOLULU										
DATE ADVERTISED: BIDS OPENED:	Internet Posting: December 17, 2019 January 23, 2020										
COMPLETION TIME:	One Hundred and Thirty-two (132) Working Days										
ITEM NO.		APPROX. QUANTITY	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
202.0010	Removal of Existing Traffic Signs (15 each)	L.S.	L.S.	L.S.	\$ 2,650.00	L.S.	\$ 3,120.00	L.S.	\$ 1,500.00	L.S.	\$ 3,096.00
202.0015	Removal of Existing Guardrail (502 L.F.)	L.S.	L.S.	L.S.	\$ 5,800.00	L.S.	\$ 12,000.00	L.S.	\$ 5,100.00	L.S.	\$ 6,800.00
202.0050	Removal of Existing Curb & Gutter (370 L.F.)	L.S.	L.S.	L.S.	\$ 25,000.00	L.S.	\$ 20,800.00	L.S.	\$ 7,400.00	L.S.	\$ 10,967.00
202.0025	Removal of Existing Impact Attenuator (2 Each)	L.S.	L.S.	L.S.	\$ 11,900.00	L.S.	\$ 23,000.00	L.S.	\$ 8,000.00	L.S.	\$ 13,932.00
202.0030	Removal of Existing Sidewalk (10 S.Y.)	L.S.	L.S.	L.S.	\$ 11,000.00	L.S.	\$ 19,500.00	L.S.	\$ 600.00	L.S.	\$ 6,038.00
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	\$ 60,000.00	L.S.	\$ 25,000.00	L.S.	\$ 61,280.00	L.S.	\$ 9,161.00
209.0020	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00
606.0010	Guardrail Type Midwest Guardrail System (MGS)	190	L.F.	\$ 66.00	\$ 12,540.00	\$ 100.00	\$ 19,000.00	\$ 93.00	\$ 17,670.00	\$ 77.00	\$ 14,630.00
606.0011	MGS Transition Section to Strong Post Guardrail	2	Each	\$ 2,000.00	\$ 4,000.00	\$ 2,400.00	\$ 4,800.00	\$ 4,000.00	\$ 8,000.00	\$ 2,322.00	\$ 4,644.00
606.0015	Guardrail Type Thrie Beam	151	L.F.	\$ 83.00	\$ 12,533.00	\$ 150.00	\$ 22,650.00	\$ 200.00	\$ 30,200.00	\$ 97.00	\$ 14,647.00
606.0016	Thrie Beam Transition Section	4	Each	\$ 570.00	\$ 2,280.00	\$ 700.00	\$ 2,800.00	\$ 5,000.00	\$ 20,000.00	\$ 664.00	\$ 2,656.00
606.0019	Terminal Impact Attenuator Type 36" Wide Quadguard M10 (TL-3) and Quadguard Transition Panel	1	Each	\$ 65,000.00	\$ 65,000.00	\$ 53,000.00	\$ 53,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,314.00	\$ 50,314.00
606.0020	Terminal Impact Attenuator Type 90" Wide Quadguard M10 (TL-3) and Quadguard Transition Panel	1	Each	\$ 70,000.00	\$ 70,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 57,409.00	\$ 57,409.00
606.0025	Terminal Section Type Thrie Beam Terminal Connector	2	Each	\$ 2,750.00	\$ 5,500.00	\$ 26,000.00	\$ 52,000.00	\$ 1,500.00	\$ 3,000.00	\$ 3,225.00	\$ 6,450.00
623.0010	Traffic Signal Cabinet and Foundation	1	Each	\$ 45,000.00	\$ 45,000.00	\$ 37,000.00	\$ 37,000.00	\$ 20,000.00	\$ 20,000.00	\$ 65,599.00	\$ 65,599.00
623.0020	Type I Traffic Signal Standard, H = 10Ft	6	Each	\$ 3,000.00	\$ 18,000.00	\$ 2,500.00	\$ 15,000.00	\$ 2,000.00	\$ 12,000.00	\$ 2,331.00	\$ 13,986.00
623.0030	Type II Traffic Signal Standard with 45/25-Foot Mast Arm	1	Each	\$ 60,000.00	\$ 60,000.00	\$ 55,000.00	\$ 55,000.00	\$ 33,000.00	\$ 33,000.00	\$ 71,763.00	\$ 71,763.00
623.0040	Type II Traffic Signal Standard with 50-Ft Mast Arm	1	Each	\$ 37,000.00	\$ 37,000.00	\$ 45,000.00	\$ 45,000.00	\$ 22,000.00	\$ 22,000.00	\$ 51,654.00	\$ 51,654.00
623.0050	Foundation for Type I Signal Standard	6	Each	\$ 3,000.00	\$ 18,000.00	\$ 2,500.00	\$ 15,000.00	\$ 2,000.00	\$ 12,000.00	\$ 3,892.00	\$ 23,352.00
623.0060	Foundation for Type II Signal Standard	2	Each	\$ 35,000.00	\$ 70,000.00	\$ 129,000.00	\$ 258,000.00	\$ 7,750.00	\$ 15,500.00	\$ 83,275.00	\$ 166,550.00
623.0070	Traffic Signal Assembly, (1-Way, 12-Inch, 1-3 Section Vertical)	13	Each	\$ 2,000.00	\$ 26,000.00	\$ 2,000.00	\$ 26,000.00	\$ 1,100.00	\$ 14,300.00	\$ 2,052.00	\$ 26,676.00
623.0080	Programmed Visibility Traffic Signal Assembly, (1-Way, 12-Inch, 1-3 Section Vertical)	2	Each	\$ 5,000.00	\$ 10,000.00	\$ 6,000.00	\$ 12,000.00	\$ 3,000.00	\$ 6,000.00	\$ 8,591.00	\$ 17,182.00
623.0090	EVP Optical Receiver with Cabling	2	Each	\$ 3,000.00	\$ 6,000.00	\$ 1,500.00	\$ 3,000.00	\$ 900.00	\$ 1,800.00	\$ 2,072.00	\$ 4,144.00

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ISLAND: DISTRICT:	OAHU HONOLULU										
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COMPLETION TIME:	One Hundred and Thirty-two (132) Working Days										
ITEM NO.		APPROX. QUANTITY	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
623.1000	Pedestrian Signal Assembly, (1-Way, 12-Inch, One Vertical)	5	Each	\$ 2,000.00	\$ 10,000.00	\$ 1,200.00	\$ 6,000.00	\$ 700.00	\$ 3,500.00	\$ 1,462.00	\$ 7,310.00
623.0110	Pedestrian Push Button with Instruction Sign	5	Each	\$ 1,500.00	\$ 7,500.00	\$ 700.00	\$ 3,500.00	\$ 350.00	\$ 1,750.00	\$ 841.00	\$ 4,025.00
623.0120	Traffic Signal Ductline, 2-Inch Conduit, SCH 40 PVC, Concrete Encased	7,200	L.F.	\$ 195.00	\$ 1,404,000.00	\$ 800.00	\$ 5,760,000.00	\$ 84.00	\$ 604,800.00	\$ 112.00	\$ 806,400.00
623.0130	Traffic Signal Ductline, 3-Inch Conduit, SCH 40 PVC, Concrete Encased	10	L.F.	\$ 230.00	\$ 2,300.00	\$ 850.00	\$ 8,500.00	\$ 85.00	\$ 850.00	\$ 245.00	\$ 2,450.00
623.0140	Type "A" Pullbox	2	Each	\$ 2,000.00	\$ 4,000.00	\$ 3,000.00	\$ 6,000.00	\$ 1,250.00	\$ 2,500.00	\$ 1,078.00	\$ 2,156.00
623.0150	Type "B" Pullbox	1	Each	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 1,669.00	\$ 1,669.00
623.0160	Type "B" Pullbox Traffic Rated	5	Each	\$ 5,500.00	\$ 27,500.00	\$ 6,500.00	\$ 32,500.00	\$ 4,500.00	\$ 22,500.00	\$ 4,155.00	\$ 20,775.00
623.0170	Type "C" Pullbox	7	Each	\$ 3,000.00	\$ 21,000.00	\$ 7,000.00	\$ 49,000.00	\$ 2,000	\$ 14,000.00	\$ 2,061.00	\$ 14,427.00
623.0180	Type "C" Pullbox Traffic Rated	2	Each	\$ 3,000.00	\$ 6,000.00	\$ 8,000.00	\$ 16,000.00	\$ 6,000.00	\$ 12,000.00	\$ 5,209.00	\$ 10,418.00
623.0190	Type 1 Cable - 26C#14	1,200	L.F.	\$ 5.00	\$ 6,000.00	\$ 10.00	\$ 12,000.00	\$ 6.00	\$ 7,200.00	\$ 6.00	\$ 7,200.00
623.0200	Type 2 Cable - 2C#14	900	L.F.	\$ 7.00	\$ 6,300.00	\$ 3.00	\$ 2,700.00	\$ 2.00	\$ 1,800.00	\$ 3.00	\$ 2,700.00
623.0210	Type 5 Cable - 4/C #14 with #8 GND	300	L.F.	\$ 6.00	\$ 1,800.00	\$ 5.00	\$ 1,500.00	\$ 3.00	\$ 900.00	\$ 5.00	\$ 1,500.00
623.0220	Type 3 Cable - 12-2/C#19	3,000	L.F.	\$ 8.00	\$ 24,000.00	\$ 6.00	\$ 18,000.00	\$ 5.00	\$ 15,000.00	\$ 3.00	\$ 9,000.00
623.0230	Loop Detector Sensing Unit (6 Ft. x 6 Ft.)	34	Each	\$ 2,000.00	\$ 68,000.00	\$ 1,500.00	\$ 51,000.00	\$ 550.00	\$ 18,700.00	\$ 1,542.00	\$ 52,428.00
623.0240	EVP Cable	400	L.F.	\$ 2.00	\$ 800.00	\$ 10.00	\$ 4,000.00	\$ 4.00	\$ 1,600.00	\$ 3.00	\$ 1,200.00
623.0250	Interconnect Fabric Subduct	3,600	L.F.	\$ 6.00	\$ 21,600.00	\$ 8.00	\$ 28,800.00	\$ 5.00	\$ 18,000.00	\$ 8.00	\$ 28,800.00
623.0260	Service and Metering Equipment Assembly	1	Each	\$ 6,000.00	\$ 6,000.00	\$ 15,000.00	\$ 15,000.00	\$ 6,000.00	\$ 6,000.00	\$ 19,100.00	\$ 19,100.00
623.0270	Type 6 Cable - Electrical Service Cable	400	L.F.	\$ 2.00	\$ 800.00	\$ 10.00	\$ 4,000.00	\$ 11.00	\$ 4,400.00	\$ 10.00	\$ 4,000.00
623.0280	Electrical Pullboxes	1	Each	\$ 1,500.00	\$ 1,500.00	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 2,681.00	\$ 2,681.00
623.0290	Penetrate Existing Pullbox	1	Each	\$ 500.00	\$ 500.00	\$ 1,500.00	\$ 1,500.00	\$ 225.00	\$ 225.00	\$ 642.00	\$ 642.00
623.9000	Hawaiian Electric Company Service Connection Fees	F.A.	F.A.	F.A.	\$ 10,000.00	F.A.	\$ 10,000.00	F.A.	\$ 10,000.00	F.A.	\$ 10,000.00
629.0010	4-inch Pavement Striping (Thermoplastic)	410	L.F.	\$ 10.00	\$ 4,100.00	\$ 15.00	\$ 6,150.00	\$ 10.00	\$ 4,100.00	\$ 12.00	\$ 4,920.00
629.0030	Type "H" Pavement Marker	11	Each	\$ 22.00	\$ 242.00	\$ 45.00	\$ 495.00	\$ 25.00	\$ 275.00	\$ 26.00	\$ 286.00

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629.0040	Curb, Type 2D Markings (Paint)	20	L.F.	\$ 11.00	\$ 220.00	\$ 35.00	\$ 700.00	\$ 10.00	\$ 200.00	\$ 13.00	\$ 260.00
630.0010	Street Name Sign on Traffic Signal Mast Arm	2	Each	\$ 2,000.00	\$ 4,000.00	\$ 2,275.00	\$ 4,550.00	\$ 1,000.00	\$ 2,000.00	\$ 2,258.00	\$ 4,516.00
631.0010	Regulatory Sign (10 Square Feet or Less)	4	Each	\$ 650.00	\$ 2,600.00	\$ 800.00	\$ 3,200.00	\$ 500.00	\$ 2,000.00	\$ 742.00	\$ 2,968.00
631.0015	Regulatory Sign (More than 10 Square Feet)	1	Each	\$ 700.00	\$ 700.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 774.00	\$ 774.00
631.0030	Relocation of Existing Signs	3	Each	\$ 795.00	\$ 2,385.00	\$ 650.00	\$ 1,950.00	\$ 300.00	\$ 900.00	\$ 645.00	\$ 1,935.00
634.0010	Portland Cement Concrete Sidewalk	11	S.Y.	\$ 3,400.00	\$ 37,400.00	\$ 5,200.00	\$ 57,200.00	\$ 120.00	\$ 1,320.00	\$ 900.00	\$ 9,900.00
636.0010	CCTV Traffic Signal Cabinet and Foundation	1	Each	\$ 26,000.00	\$ 26,000.00	\$ 10,800.00	\$ 10,800.00	\$ 15000.00	\$ 15,000.00	\$ 18,749.00	\$ 18,749.00
636.0020	Single Camera Site Equipment, Mast Arm Mounted	1	Each	\$ 35,000.00	\$ 35,000.00	\$ 58,500.00	\$ 58,500.00	\$ 7500.00	\$ 7,500.00	\$ 60,678.00	\$ 60,678.00
636.0030	CCTV Coaxial Cable	450	L.F.	\$ 4.00	\$ 1,800.00	\$ 2.00	\$ 900.00	\$ 5.00	\$ 2,250.00	\$ 6.00	\$ 2,700.00
636.0040	CCTV Power Cable	450	L.F.	\$ 3.00	\$ 1,350.00	\$ 2.00	\$ 900.00	\$ 5.00	\$ 2,250.00	\$ 6.00	\$ 2,700.00
636.0050	CCTV Control Cable	450	L.F.	\$ 4.00	\$ 1,800.00	\$ 2.00	\$ 900.00	\$ 5.00	\$ 2,250.00	\$ 6.00	\$ 2,700.00
636.0060	CCTV CAT6 Outdoor Cable	450	L.F.	\$ 4.00	\$ 1,800.00	\$ 2.00	\$ 900.00	\$ 3.00	\$ 1,350.00	\$ 6.00	\$ 2,700.00
638.0010	Curb, Type 4" Mountable Curb	80	L.F.	\$ 200.00	\$ 16,000.00	\$ 200.00	\$ 16,000.00	\$ 115.00	\$ 9,200.00	\$ 180.00	\$ 14,400.00
638.0015	Curb and Gutter, Type 2DG	290	L.F.	\$ 100.00	\$ 29,000.00	\$ 260.00	\$ 75,400.00	\$ 115.00	\$ 33,350.00	\$ 180.00	\$ 52,200.00
643.0010	Maintenance of Existing Landscape Area	F.A.	F.A.	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00
644.1000	Repair of Existing Sprinkler Systems	F.A.	F.A.	F.A.	\$ 2,000.00	F.A.	\$ 2,000.00	F.A.	\$ 2,000.00	F.A.	\$ 2,000.00
645.0010	Traffic Control	L.S.	L.S.	L.S.	\$ 50,000.00	L.S.	\$ 460,000.00	L.S.	\$ 238,000.00	L.S.	\$ 17,544.00
645.0200	Additional Police Officers, Additional Traffic Control Devices, and Advertisement	F.A	F.A.	F.A.	\$ 40,000.00	F.A.	\$ 40,000.00	F.A.	\$ 40,000.00	F.A.	\$ 40,000.00
647.1820	Fiber Optic Cable in Conduit	3,500	L.F.	\$ 20.00	\$ 70,000.00	\$ 24.00	\$ 84,000.00	\$ 10.00	\$ 35,000.00	\$ 37.00	\$ 129,500.00
648.0010	Field-Posted Drawings	L.S.	L.S.	L.S.	\$ 1,000.00	L.S.	\$ 1,000.00	L.S.	\$ 25,400.00	L.S.	\$ 500.00
650.0010	Detectable Warning Mat	2	Each	\$ 2,500.00	\$ 5,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,600.00	\$ 3,200.00	\$ 592.00	\$ 1,184.00
699.0100	Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding Bid Price of this Item)	L.S.	L.S.	L.S.	\$ 155,000.00	L.S.	\$ 200,000.00	L.S.	\$ 101,000.00	L.S.	\$ 127,630.00

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	Sum of All Items			\$	2,797,700.00	\$	7,949,015.00	\$	1,788,920.00	* \$	2,251,255.00
	Hawaii Products Preference			\$		\$	0.00	\$	0.00	\$	0.00
	Apprenticeship Agreement Preference			\$	0.00	\$	0.00	\$	0.00	\$	0.00
	Amount for Comparison of Bids			\$	2,797,700.00	\$	7,949,015.00	\$	1,788,920.00	* \$	2,251,255.00
	* Note: Bid was withdrawn										
Project Manager: Steven Yoshida Date: January 29, 2020											