

TABULATION OF BIDS

PROJECT: Farrington Highway, Replacement of Makaha Bridge No. 3 and Makaha Bridge No.3A						GRACE PACIFIC LLC		*** NAN, INC.		**** KIEWIT INFRASTRUCTURE WEST CO.		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PROJECT NO.: BR-093-1(20)													
NET LENGTH: 0.25 Miles													
ISLAND: Oahu													
DISTRICT: Waianae													
TYPE CODE: 04, 11, 43													
DATE ADVERTISED: October 20, 2020													
BID OPENED: December 30, 2020													
COMPLETION TIME: Three Hundred Ten (310) Working Days													
ITEM NO.	ITEM	**APPROX. QUANTITY	UNITS	**APPROX. QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
205.8200	Filter Material (Grouted Rubble Paving, Bridge 3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$10,000.00	L.S.	\$16,533.00	L.S.	\$35,000.00	L.S.	\$350.00
205.8210	Filter Material (Grouted Rubble Paving, Bridge 3A)	L.S.	L.S.	L.S.	L.S.	L.S.	\$10,000.00	L.S.	\$2,806.00	L.S.	\$20,000.00	L.S.	\$550.00
205.8220	Filter Material (Dumped Riprap, Bridge 3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$80,000.00	L.S.	\$172,586.00	L.S.	\$130,000.00	L.S.	\$13,750.00
205.8230	Filter Material (Dumped Riprap, Bridge 3A)	L.S.	L.S.	L.S.	L.S.	L.S.	\$15,000.00	L.S.	\$39,681.00	L.S.	\$70,000.00	L.S.	\$7,550.00
206.0210	Excavation for 24-Inch Drain Pipe	172	C.Y.	172	C.Y.	\$50.00	\$8,600.00	\$251.00	\$43,172.00	\$112.00	\$19,264.00	\$35.00	\$6,020.00
206.2020	Excavation for Drainage Structures	L.S.	L.S.	L.S.	L.S.	L.S.	\$10,000.00	L.S.	\$36,167.00	L.S.	\$400,000.00	L.S.	\$750.00
206.2025	Excavation for Unsuitable Material	F.A.	F.A.	F.A.	F.A.	F.A.	\$10,000.00	F.A.	\$10,000.00	F.A.	\$10,000.00	F.A.	\$10,000.00
207.0100	Ditch and Channel Excavation (Bridge 3)	2,500	C.Y.	2,500	C.Y.	\$60.00	\$150,000.00	\$223.00	\$557,500.00	\$300.00	\$750,000.00	\$50.00	\$125,000.00
207.0200	Ditch and Channel Excavation (Bridge 3A)	2,100	C.Y.	2,100	C.Y.	\$60.00	\$126,000.00	\$88.40	\$185,640.00	\$109.00	\$228,900.00	\$50.00	\$105,000.00
209.0110	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	L.S.	L.S.	\$250,000.00	L.S.	\$400,493.00	L.S.	\$350,000.00	L.S.	\$450,000.00
209.1100	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	F.A.	F.A.	\$150,000.00	F.A.	\$150,000.00	F.A.	\$150,000.00	F.A.	\$150,000.00
301.0100	Hot Mix Asphalt Base Course	1,790	TON	1,790	TON	\$300.00	\$537,000.00	\$193.50	\$346,365.00	\$180.00	\$322,200.00	\$248.60	\$444,994.00
304.1000	Aggregate Base	1,047	C.Y.	1,047	C.Y.	\$125.00	\$130,875.00	\$193.30	\$202,385.10	\$262.00	\$274,314.00	\$130.36	\$136,486.92
304.1100	Aggregate Base (for Approach Slabs, Bridge 3)	50	C.Y.	50	C.Y.	\$100.00	\$5,000.00	\$334.10	\$16,705.00	\$480.00	\$24,000.00	\$200.00	\$10,000.00
304.1200	Aggregate Base (for Approach Slabs, Bridge 3A)	50	C.Y.	50	C.Y.	\$100.00	\$5,000.00	\$334.10	\$16,705.00	\$480.00	\$24,000.00	\$200.00	\$10,000.00
304.1300	Aggregate Base (4" thick PCC Pavement)	93	CY	93	CY	\$200.00	\$18,600.00	\$262.80	\$24,440.40	\$469.00	\$43,617.00	\$130.36	\$12,123.48
304.1400	Aggregate Base (Concrete Sidewalk)	9	CY	9	CY	\$500.00	\$4,500.00	\$340.90	\$3,068.10	\$475.00	\$4,275.00	\$130.36	\$1,173.24
304.1500	Aggregate Base (By-pass Road)	625	CY	625	CY	\$250.00	\$156,250.00	\$386.80	\$241,750.00	\$573.00	\$358,125.00	\$130.36	\$81,475.00
304.1600	Aggregate Base (for Channel Slab, Bridge No. 3)	70	CY	70	CY	\$100.00	\$7,000.00	\$356.80	\$24,976.00	\$611.00	\$42,770.00	\$130.36	\$9,125.20
305.1110	Aggregate Subbase	1,047	C.Y.	1,047	C.Y.	\$100.00	\$104,700.00	\$180.90	\$189,402.30	\$150.00	\$157,050.00	\$150.00	\$157,050.00
306.0100	Untreated Permeable Base Course	L.S.	L.S.	L.S.	L.S.	L.S.	\$40,000.00	L.S.	\$26,813.00	L.S.	\$42,000.00	L.S.	\$41,250.00
401.0400	HMA Pavement, Mix No. IV	1,345	TON	1,345	TON	\$400.00	\$538,000.00	\$212.40	\$285,678.00	\$198.00	\$266,310.00	\$300.00	\$403,500.00
401.0410	HMA Pavement, Mix No. IV (Access Road and Driveway)	105	TON	105	TON	\$400.00	\$42,000.00	\$693.50	\$72,817.50	\$267.00	\$28,035.00	\$300.00	\$31,500.00
411.1115	11-Inch Concrete Pavement	28	C.Y.	28	C.Y.	\$1,500.00	\$42,000.00	\$1,404.50	\$39,326.00	\$1,750.00	\$49,000.00	\$375.00	\$10,500.00
411.2201	4-Inch Concrete Pavement	185	C.Y.	185	C.Y.	\$800.00	\$148,000.00	\$282.20	\$52,207.00	\$1,100.00	\$203,500.00	\$225.00	\$41,625.00
415.0110	Cold Planing	600	S.Y.	600	S.Y.	\$10.00	\$6,000.00	\$44.60	\$26,760.00	\$16.00	\$9,600.00	\$18.00	\$10,800.00
501.0200	Stainless Steel Supports for 12-Inch Waterline (Bridge No. 3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$52,000.00	L.S.	\$62,838.00	L.S.	\$15,000.00	L.S.	\$6,000.00
501.0210	Stainless Steel Supports for 12-Inch Waterline (Bridge No. 3A)	L.S.	L.S.	L.S.	L.S.	L.S.	\$44,000.00	L.S.	\$48,337.00	L.S.	\$1,320.00	L.S.	\$5,000.00

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501.0213	Structural Steel - Double Channel Walers, Installed (Bridge 3)	11,700	POUND	11,700	POUND	\$10.00	\$117,000.00	\$5.20	\$60,840.00	\$9.00	\$105,300.00	\$8.12	\$95,004.00
501.0214	Structural Steel - Tie Rods and Hardware, Installed By-Pass Road (Bridge 3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$25,000.00	L.S.	\$112,934.00	L.S.	\$22,000.00	L.S.	\$16,100.00
501.0215	Structural Steel - HSS 4 x 4 Struts to be welded to walers	370	POUND	370	POUND	\$100.00	\$37,000.00	\$13.70	\$5,069.00	\$19.00	\$7,030.00	\$8.12	\$3,004.40
501.0216	Structural Steel - Tie Rods and Hardware for Endwalls, Installed (Bridge 3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$15,000.00	L.S.	\$3,242.00	L.S.	\$5,500.00	L.S.	\$32,000.00
502.3100	Bus Shelter	L.S.	L.S.	L.S.	L.S.	L.S.	\$50,000.00	L.S.	\$49,816.00	L.S.	\$101,000.00	L.S.	\$40,000.00
503.1080	Concrete in By-Pass Road Bridge Abutments and Wingwalls (Bridge 3A)	90	C.Y.	90	C.Y.	\$1,100.00	\$99,000.00	\$1,728.40	\$155,556.00	\$2,500.00	\$225,000.00	\$2,500.00	\$225,000.00
503.1081	Concrete in Bridge Abutment Stem Walls (Bridge 3)	88	C.Y.	88	C.Y.	\$1,500.00	\$132,000.00	\$2,679.60	\$235,804.80	\$2,500.00	\$220,000.00	\$2,900.00	\$255,200.00
503.1082	Concrete in Bridge Abutment Pile Caps (Bridge 3)	65	C.Y.	65	C.Y.	\$1,700.00	\$110,500.00	\$1,073.60	\$69,784.00	\$1,600.00	\$104,000.00	\$2,500.00	\$162,500.00
503.1083	Concrete in Bridge Abutment Stem Walls (Bridge 3A)	102	C.Y.	102	C.Y.	\$1,100.00	\$112,200.00	\$2,683.20	\$273,686.40	\$2,500.00	\$255,000.00	\$2,900.00	\$295,800.00
503.1084	Concrete in Bridge Abutment Pile Caps (Bridge 3A)	65	C.Y.	65	C.Y.	\$1,700.00	\$110,500.00	\$751.60	\$48,854.00	\$1,600.00	\$104,000.00	\$2,500.00	\$162,500.00
503.1085	Concrete in Endwalls (Bridge 3)	34	C.Y.	34	C.Y.	\$1,700.00	\$57,800.00	\$1,998.20	\$67,938.80	\$4,500.00	\$153,000.00	\$2,800.00	\$95,200.00
503.1086	Concrete in Endwall Footings (Bridge 3)	24	C.Y.	24	C.Y.	\$1,300.00	\$31,200.00	\$747.40	\$17,937.60	\$1,600.00	\$38,400.00	\$2,500.00	\$60,000.00
503.1087	Concrete in Endwalls (Bridge 3A)	34	C.Y.	34	C.Y.	\$1,800.00	\$61,200.00	\$2,320.40	\$78,893.60	\$4,500.00	\$153,000.00	\$2,800.00	\$95,200.00
503.1088	Concrete in Endwall Footings (Bridge 3A)	24	C.Y.	24	C.Y.	\$1,300.00	\$31,200.00	\$738.00	\$17,712.00	\$1,600.00	\$38,400.00	\$2,500.00	\$60,000.00
503.1089	Concrete in Pier Cap (Bridge 3)	23	C.Y.	23	C.Y.	\$2,500.00	\$57,500.00	\$1,204.60	\$27,705.80	\$5,300.00	\$121,900.00	\$3,400.00	\$78,200.00
503.1090	Concrete in By-Pass Road In-Fill Walls (Bridge 3)	30	C.Y.	30	C.Y.	\$1,800.00	\$54,000.00	\$1,638.20	\$49,146.00	\$3,000.00	\$90,000.00	\$2,000.00	\$60,000.00
503.1091	Concrete in Pier Columns (Bridge 3)	10	C.Y.	10	C.Y.	\$4,500.00	\$45,000.00	\$3,125.90	\$31,259.00	\$3,800.00	\$38,000.00	\$5,500.00	\$55,000.00
503.1092	Concrete in Pier Pile Cap (Bridge 3)	33	C.Y.	33	C.Y.	\$1,500.00	\$49,500.00	\$963.80	\$31,805.40	\$1,600.00	\$52,800.00	\$2,500.00	\$82,500.00
503.1093	Concrete in Bridge Approach Slabs (Bridge 3)	104	C.Y.	104	C.Y.	\$700.00	\$72,800.00	\$771.60	\$80,246.40	\$1,500.00	\$156,000.00	\$1,800.00	\$187,200.00
503.1094	Concrete in Bridge Approach Slabs (Bridge 3A)	104	C.Y.	104	C.Y.	\$700.00	\$72,800.00	\$611.30	\$63,575.20	\$1,500.00	\$156,000.00	\$1,800.00	\$187,200.00
503.1095	Concrete in Deck Topping Slab and Edge Beams (Bridge 3)	108	C.Y.	108	C.Y.	\$2,300.00	\$248,400.00	\$1,934.30	\$208,904.40	\$6,000.00	\$648,000.00	\$3,700.00	\$399,600.00
503.1096	Concrete in Deck Topping Slab and Edge Beams (Bridge 3A)	82	C.Y.	82	C.Y.	\$1,500.00	\$123,000.00	\$2,719.00	\$222,958.00	\$6,000.00	\$492,000.00	\$3,700.00	\$303,400.00
503.1097	Concrete in Channel Slab (Bridge 3)	150	C.Y.	150	C.Y.	\$800.00	\$120,000.00	\$636.00	\$95,400.00	\$1,000.00	\$150,000.00	\$1,800.00	\$270,000.00
503.1098	Concrete in 8" dia. Waterline encasement, Incl. Reinforcing Steel	20	C.Y.	20	C.Y.	\$1,000.00	\$20,000.00	\$1,982.10	\$39,642.00	\$1,900.00	\$38,000.00	\$3,400.00	\$68,000.00
503.2050	Concrete in Reaction Blocks, Test Blocks, Jackets and Reaction Beams (Temporary 8-Inch Waterline)	4	C.Y.	4	C.Y.	\$2,000.00	\$8,000.00	\$470.50	\$1,882.00	\$34,000.00	\$136,000.00	\$400.00	\$1,600.00
503.2051	Concrete in Reaction Blocks, Test Blocks, Jackets and Reaction Beams	3	C.Y.	3	C.Y.	\$2,500.00	\$7,500.00	\$1,409.10	\$4,227.30	\$6,000.00	\$18,000.00	\$400.00	\$1,200.00
503.6010	Dog Kennel	L.S.	L.S.	L.S.	L.S.	L.S.	\$50,000.00	L.S.	\$29,113.00	L.S.	\$60,000.00	L.S.	\$25,000.00

** NOTE: Quantities shown in these columns are for in-house use.

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504.7400	Prestressed Concrete Plank, Interior, Qty. 14 (Bridge 3) ((14) 4'-10" Wide x 48'-6 1/2" Long)	680	L.F.	680	L.F.	\$1,100.00	\$748,000.00	\$1,019.00	\$692,920.00	\$1,500.00	\$1,020,000.00	\$600.00	\$408,000.00
504.7410	Prestressed Concrete Plank, Exterior, Qty. 4 (Bridge 3) ((4) 4'-10" Wide x 48'-6 1/2" Long)	194	L.F.	194	L.F.	\$1,100.00	\$213,400.00	\$1,039.60	\$201,682.40	\$1,500.00	\$291,000.00	\$600.00	\$116,400.00
504.7420	Prestressed Concrete Plank, Interior (Bridge 3A) ((7) 4'-10" Wide x 68'-6" Long)	480	L.F.	480	L.F.	\$1,100.00	\$528,000.00	\$1,180.70	\$566,736.00	\$1,500.00	\$720,000.00	\$600.00	\$288,000.00
504.7430	Prestressed Concrete Plank, Exterior (Bridge 3A) ((2) 4'-10" Wide x 68'-6" Long)	137	L.F.	137	L.F.	\$1,100.00	\$150,700.00	\$1,195.20	\$163,742.40	\$1,500.00	\$205,500.00	\$600.00	\$82,200.00
505.0500	Bridge 3 By-Pass Structural Steel H-Piles Driven	555	L.F.	555	L.F.	\$50.00	\$27,750.00	\$153.70	\$85,303.50	\$120.00	\$66,600.00	\$185.00	\$102,675.00
505.0501	Bridge By-Pass 3 Structural Steel H-piles, Piles Furnished	555	LF	555	LF	\$100.00	\$55,500.00	\$94.00	\$52,170.00	\$12.00	\$6,660.00	\$185.00	\$102,675.00
505.0510	Bridge 3 By-Pass Steel Sheet Piles Furnished and Installed	270	L.F.	270	L.F.	\$1,000.00	\$270,000.00	\$3,421.50	\$923,805.00	\$1,900.00	\$513,000.00	\$840.00	\$226,800.00
507.0100	Bridge 3 By-Pass Road Metal Pedestrian Bridge Railing	160	L.F.	160	L.F.	\$200.00	\$32,000.00	\$448.40	\$71,744.00	\$745.00	\$119,200.00	\$125.00	\$20,000.00
507.5000	Bridge 3 Concrete Bridge Railing	209	L.F.	209	L.F.	\$250.00	\$52,250.00	\$947.00	\$197,923.00	\$1,500.00	\$313,500.00	\$800.00	\$167,200.00
507.5100	Bridge 3A Concrete Bridge Railing	145	L.F.	145	L.F.	\$350.00	\$50,750.00	\$839.10	\$121,669.50	\$1,500.00	\$217,500.00	\$800.00	\$116,000.00
507.7500	Bridge 3 Concrete End Posts	80	L.F.	80	L.F.	\$500.00	\$40,000.00	\$627.80	\$50,224.00	\$1,500.00	\$120,000.00	\$600.00	\$48,000.00
507.7510	Bridge 3A Concrete End Posts	80	L.F.	80	L.F.	\$500.00	\$40,000.00	\$627.80	\$50,224.00	\$1,500.00	\$120,000.00	\$600.00	\$48,000.00
508.0100	Cement Rubble Masonry (Wall)	L.S.	L.S.	L.S.	L.S.	L.S.	\$120,000.00	L.S.	\$66,928.00	L.S.	\$75,000.00	L.S.	\$35,000.00
511.0100	Furnishing Drilled Shaft Drilling Equipment (Bridge 3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$360,000.00	L.S.	\$196,200.00	L.S.	\$350,000.00	L.S.	\$150,000.00
511.0110	Furnishing Drilled Shaft Drilling Equipment (Bridge 3A)	L.S.	L.S.	L.S.	L.S.	L.S.	\$323,000.00	L.S.	\$196,200.00	L.S.	\$350,000.00	L.S.	\$75,000.00
511.0200	Obstruction (in Drilled Shaft, Bridge 3)	75	HOUR	75	HOUR	\$3,000.00	\$225,000.00	\$2,456.10	\$184,207.50	\$2,800.00	\$210,000.00	\$1,500.00	\$112,500.00
511.0210	Obstruction (in Drilled Shaft, Bridge 3A)	50	HOUR	50	HOUR	\$3,000.00	\$150,000.00	\$2,519.10	\$125,955.00	\$2,800.00	\$140,000.00	\$1,500.00	\$75,000.00
511.0300	Load Test (Bridge 3)	1	EA	1	EA	\$120,000.00	\$120,000.00	\$49,527.00	\$49,527.00	\$61,000.00	\$61,000.00	\$250,000.00	\$250,000.00
511.0310	Load Test (Bridge 3A)	1	EA	1	EA	\$120,000.00	\$120,000.00	\$49,527.00	\$49,527.00	\$61,000.00	\$61,000.00	\$250,000.00	\$250,000.00
511.0320	CSL Test on Drilled Shafts (Bridge 3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$20,000.00	L.S.	\$18,573.00	L.S.	\$45,000.00	L.S.	\$12,000.00
511.0330	CSL Test on Drilled Shafts (Bridge 3A)	L.S.	L.S.	L.S.	L.S.	L.S.	\$20,000.00	L.S.	\$18,573.00	L.S.	\$45,000.00	L.S.	\$10,000.00
511.0400	Test Shaft	190	L.F.	190	L.F.	\$1,400.00	\$266,000.00	\$1,728.90	\$328,491.00	\$1,200.00	\$228,000.00	\$1,400.00	\$266,000.00
511.0500	Drilled Shaft (36-Inch Diameter, Bridge 3)	2,000	L.F.	2,000	L.F.	\$220.00	\$440,000.00	\$424.30	\$848,600.00	\$275.00	\$550,000.00	\$1,400.00	\$2,800,000.00
511.0510	Drilled Shaft (36-Inch Diameter, Bridge 3A)	1,600	L.F.	1,600	L.F.	\$240.00	\$384,000.00	\$437.60	\$700,160.00	\$285.00	\$456,000.00	\$1,400.00	\$2,240,000.00
511.0600	Standard Excavation (for Drilled Shaft, Bridge 3)	1,761	L.F.	1,761	L.F.	\$490.00	\$862,890.00	\$488.70	\$860,600.70	\$655.00	\$1,153,455.00	\$300.00	\$528,300.00
511.0610	Standard Excavation (for Drilled Shaft, Bridge 3A)	1,400	L.F.	1,400	L.F.	\$550.00	\$770,000.00	\$550.00	\$770,000.00	\$665.00	\$931,000.00	\$300.00	\$420,000.00

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ITEM NO.	ITEM	**APPROX. QUANTITY	UNITS	**APPROX. QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
511.0700	Concrete Overpour for Drilled Shafts (Bridge 3)	F.A.	F.A.	F.A.	F.A.	F.A.	\$58,000.00	F.A.	\$58,000.00	F.A.	\$58,000.00	F.A.	\$58,000.00
511.0710	Concrete Overpour for Drilled Shafts (Bridge 3A)	F.A.	F.A.	F.A.	F.A.	F.A.	\$51,000.00	F.A.	\$51,000.00	F.A.	\$51,000.00	F.A.	\$51,000.00
512.0100	Prefabricated Steel Truss Bridge Rental (Bridge 3A)	1	YEAR	1	YEAR	\$250,000.00	\$250,000.00	\$333,663.00	\$333,663.00	\$90,000.00	\$90,000.00	\$351,300.00	\$351,300.00
512.0200	Installing Prefabricated Steel Truss Bridge (Bridge 3A)	1	EA	1	EA	\$150,000.00	\$150,000.00	\$200,000.00	\$200,000.00	\$240,000.00	\$240,000.00	\$35,000.00	\$35,000.00
512.0300	Maintenance Prefabricated Steel Truss Bridge Rental (Bridge 3A)	12	MONTH	12	MONTH	\$2,000.00	\$24,000.00	\$5,262.50	\$63,150.00	\$50,000.00	\$600,000.00	\$7,333.00	\$87,996.00
602.0101	Reinforcing Steel for Abutment Stem Walls (Bridge 3)	17,600	POUND	17,600	POUND	\$6.00	\$105,600.00	\$4.80	\$84,480.00	\$5.00	\$88,000.00	\$1.00	\$17,600.00
602.0102	Reinforcing Steel for Abutment Stem Walls (Bridge 3A)	20,400	POUND	20,400	POUND	\$5.00	\$102,000.00	\$4.90	\$99,960.00	\$5.00	\$102,000.00	\$1.00	\$20,400.00
602.0103	Reinforcing Steel for Abutment Pile Caps (Bridge 3)	13,700	POUND	13,700	POUND	\$6.00	\$82,200.00	\$2.00	\$27,400.00	\$2.00	\$27,400.00	\$1.00	\$13,700.00
602.0104	Reinforcing Steel for Abutment Pile Caps (Bridge 3A)	13,700	POUND	13,700	POUND	\$6.00	\$82,200.00	\$2.00	\$27,400.00	\$2.00	\$27,400.00	\$1.00	\$13,700.00
602.0105	Reinforcing Steel for Endwalls (Bridge 3)	5,950	POUND	5,950	POUND	\$11.00	\$65,450.00	\$6.40	\$38,080.00	\$6.00	\$35,700.00	\$1.00	\$5,950.00
602.0106	Reinforcing Steel for Endwalls (Bridge 3A)	5,950	POUND	5,950	POUND	\$13.00	\$77,350.00	\$7.70	\$45,815.00	\$7.00	\$41,650.00	\$1.00	\$5,950.00
602.0107	Reinforcing Steel for Endwall Footings (Bridge 3)	5,040	POUND	5,040	POUND	\$6.00	\$30,240.00	\$2.00	\$10,080.00	\$2.00	\$10,080.00	\$1.00	\$5,040.00
602.0108	Reinforcing Steel for Endwall Footings (Bridge 3A)	5,040	POUND	5,040	POUND	\$6.00	\$30,240.00	\$2.00	\$10,080.00	\$2.00	\$10,080.00	\$1.00	\$5,040.00
602.0109	Reinforcing Steel for Pier Cap (Bridge 3)	5,750	POUND	5,750	POUND	\$4.00	\$23,000.00	\$2.20	\$12,650.00	\$2.00	\$11,500.00	\$1.00	\$5,750.00
602.0110	Reinforcing Steel for Pier Columns (Bridge 3)	3,000	POUND	3,000	POUND	\$4.00	\$12,000.00	\$3.30	\$9,900.00	\$2.00	\$6,000.00	\$1.00	\$3,000.00
602.0111	Reinforcing Steel for Pier Pile Cap (Bridge 3)	8,250	POUND	8,250	POUND	\$2.00	\$16,500.00	\$1.90	\$15,675.00	\$2.00	\$16,500.00	\$1.00	\$8,250.00
602.0112	Reinforcing Steel for Approach Slabs (Bridge 3)	20,800	POUND	20,800	POUND	\$2.00	\$41,600.00	\$2.50	\$52,000.00	\$2.00	\$41,600.00	\$1.00	\$20,800.00
602.0113	Reinforcing Steel for Approach Slabs (Bridge 3A)	20,800	POUND	20,800	POUND	\$2.00	\$41,600.00	\$2.50	\$52,000.00	\$2.00	\$41,600.00	\$1.00	\$20,800.00
602.0114	Reinforcing Steel for Deck Topping Slab and Edge Beams (Bridge 3)	35,700	POUND	35,700	POUND	\$4.00	\$142,800.00	\$1.70	\$60,690.00	\$2.00	\$71,400.00	\$1.00	\$35,700.00
602.0115	Reinforcing Steel for Deck Topping Slab and Edge Beams (Bridge 3A)	29,190	POUND	29,190	POUND	\$3.00	\$87,570.00	\$1.20	\$35,028.00	\$1.50	\$43,785.00	\$1.00	\$29,190.00
602.0116	Reinforcing Steel for Channel Liner (Bridge 3)	22,500	POUND	22,500	POUND	\$2.00	\$45,000.00	\$1.20	\$27,000.00	\$1.50	\$33,750.00	\$1.00	\$22,500.00
602.0117	Reinforcing Steel for Concrete Railing and End Posts that Extend Into Deck Slabs or Beams (Bridge 3)	500	POUND	500	POUND	\$50.00	\$25,000.00	\$36.90	\$18,450.00	\$2.00	\$1,000.00	\$1.00	\$500.00
602.0118	Reinforcing Steel for Concrete Railing and End Posts that Extend Into Deck Slabs or Beams (Bridge 3A)	450	POUND	450	POUND	\$50.00	\$22,500.00	\$32.60	\$14,670.00	\$2.00	\$900.00	\$1.00	\$450.00
602.0119	Reinforcing Steel for Drilled Shafts (Bridge 3)	135,000	POUND	135,000	POUND	\$3.00	\$405,000.00	\$2.20	\$297,000.00	\$2.00	\$270,000.00	\$1.00	\$135,000.00
602.0125	Reinforcing Steel for Drilled Shafts (Bridge 3A)	115,000	POUND	115,000	POUND	\$3.00	\$345,000.00	\$1.80	\$207,000.00	\$2.00	\$230,000.00	\$1.00	\$115,000.00
602.0130	Reinforcing Steel for By-Pass Road In-Fill Walls	5,000	POUND	5,000	POUND	\$1.00	\$5,000.00	\$1.10	\$5,500.00	\$150.00	* \$750,000.00	\$1.25	\$6,250.00
602.0140	Reinforcing Steel for By-Pass Road Bridge Abutments	18,000	POUND	18,000	POUND	\$3.00	\$54,000.00	\$1.00	\$18,000.00	\$150.00	* \$2,700,000.00	\$1.25	\$22,500.00

TABULATION OF BIDS

PROJECT: Farrington Highway, Replacement of Makaha Bridge No. 3 and Makaha Bridge No.3A						GRACE PACIFIC LLC		*** NAN, INC.		**** KIEWIT INFRASTRUCTURE WEST CO.		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PROJECT NO.: BR-093-1(20)													
NET LENGTH: 0.25 Miles													
ISLAND: Oahu													
DISTRICT: Waianae													
TYPE CODE: 04, 11, 43													
DATE ADVERTISED: October 20, 2020													
BID OPENED: December 30, 2020													
COMPLETION TIME: Three Hundred Ten (310) Working Days													
ITEM NO.	ITEM	**APPROX. QUANTITY	UNITS	**APPROX. QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
624.0100	Water Systems (Temporary-Bypass Road)	L.S.	L.S.	L.S.	L.S.	L.S.	\$150,000.00	L.S.	** \$0.00	L.S.	\$400,000.00	L.S.	\$105,250.00
624.9000	Water Systems (Farrington Highway)	L.S.	L.S.	L.S.	L.S.	L.S.	\$250,000.00	L.S.	** \$0.00	L.S.	\$650,000.00	L.S.	\$300,000.00
625.1100	Sewer Systems	L.S.	L.S.	L.S.	L.S.	L.S.	\$10,000.00	L.S.	** \$0.00	L.S.	\$20,000.00	L.S.	\$5,000.00
626.1000	Sewer Manhole, 5 feet to 5.99 feet	1	EA	1	EA	\$15,000.00	\$15,000.00	**	\$0.00	\$35,000.00	\$35,000.00	\$12,000.00	\$12,000.00
626.1100	Adjusting (Water) Standard Valve Box	8	EA	8	EA	\$100.00	\$800.00	**	\$0.00	\$3,900.00	\$31,200.00	\$500.00	\$4,000.00
626.2000	(Water) Standard Valve Box	4	EA	4	EA	\$3,000.00	\$12,000.00	**	\$0.00	\$6,900.00	\$27,600.00	\$700.00	\$2,800.00
629.1000	Pavement Striping (Paint)	4,950	L.F.	4,950	L.F.	\$4.00	\$19,800.00	**	\$0.00	\$3.00	\$14,850.00	\$2.00	\$9,900.00
629.1040	Pavement Word (Paint)	2	EA	2	EA	\$1,000.00	\$2,000.00	\$236.00	\$472.00	\$220.00	\$440.00	\$200.00	\$400.00
629.1041	Pavement Word (Thermoplastic)	1	EA	1	EA	\$1,000.00	\$1,000.00	\$472.00	\$472.00	\$440.00	\$440.00	\$400.00	\$400.00
629.1100	4-Inch Pavement Striping (Thermoplastic)	9,386	L.F.	9,386	L.F.	\$3.00	\$28,158.00	\$2.90	\$27,219.40	\$3.00	\$28,158.00	\$2.00	\$18,772.00
629.1110	4-Inch Pavement Striping Dbl. Yellow (Paint)	2,260	L.F.	2,260	L.F.	\$5.00	\$11,300.00	\$4.80	\$10,848.00	\$5.00	\$11,300.00	\$1.00	\$2,260.00
629.1200	4-Inch Pavement Striping Dbl. Yellow (Thermoplastic)	883	L.F.	883	L.F.	\$5.00	\$4,415.00	\$4.80	\$4,238.40	\$5.00	\$4,415.00	\$7.00	\$6,181.00
629.1300	4-Inch Pavement Striping Dbl. Yellow, Dashed (Thermoplastic)	200	L.F.	200	L.F.	\$5.00	\$1,000.00	\$4.80	\$960.00	\$5.00	\$1,000.00	\$7.00	\$1,400.00
629.1400	12-Inch Pavement Striping (Thermoplastic)	43	L.F.	43	L.F.	\$6.00	\$258.00	\$5.90	\$253.70	\$6.00	\$258.00	\$6.00	\$258.00
629.1500	Crosswalk Marking (Thermoplastic)	2	LANE	2	LANE	\$1,000.00	\$2,000.00	\$472.00	\$944.00	\$420.00	\$840.00	\$300.00	\$600.00
629.2020	Profiled Thermoplastic Striping	60	L.F.	60	L.F.	\$10.00	\$600.00	\$4.80	\$288.00	\$5.00	\$300.00	\$20.00	\$1,200.00
629.2021	Type C Pavement Marker	152	EA	152	EA	\$6.00	\$912.00	\$5.90	\$896.80	\$5.00	\$760.00	\$7.00	\$1,064.00
629.2022	Type D Pavement Marker	112	EA	112	EA	\$6.00	\$672.00	\$5.90	\$660.80	\$5.00	\$560.00	\$7.00	\$784.00
629.2023	Type F Pavement Marker	1	EA	1	EA	\$6.00	\$6.00	\$6.00	\$6.00	\$5.00	\$5.00	\$7.00	\$7.00
631.1000	Regulatory Sign (10 Square Feet or Less)	1	EA	1	EA	\$500.00	\$500.00	\$9,025.90	\$9,025.90	\$370.00	\$370.00	\$700.00	\$700.00
631.1100	Bus Stop Sign	2	EA	2	EA	\$500.00	\$1,000.00	\$250.80	\$501.60	\$370.00	\$740.00	\$400.00	\$800.00
631.1200	Street Name Sign	2	EA	2	EA	\$500.00	\$1,000.00	\$236.00	\$472.00	\$370.00	\$740.00	\$400.00	\$800.00
634.0100	Portland Cement Concrete Sidewalk	40	S.Y.	40	S.Y.	\$200.00	\$8,000.00	\$175.50	\$7,020.00	\$500.00	\$20,000.00	\$180.00	\$7,200.00
636.0100	E-Construction license	F.A.	F.A.	F.A.	F.A.	F.A.	\$250,000.00	F.A.	\$250,000.00	F.A.	\$250,000.00	F.A.	\$250,000.00
638.0100	Curb, Type 2D	78	L.F.	78	L.F.	\$75.00	\$5,850.00	\$49.50	\$3,861.00	\$300.00	\$23,400.00	\$100.00	\$7,800.00
638.0200	8-1/2" Concrete Curb for New Guardrail (Bridge 3)	60	L.F.	60	L.F.	\$100.00	\$6,000.00	\$76.40	\$4,584.00	\$300.00	\$18,000.00	\$250.00	\$15,000.00
638.0210	8-1/2" Concrete Curb for New Guardrail (Bridge 3A)	60	L.F.	60	L.F.	\$100.00	\$6,000.00	\$76.40	\$4,584.00	\$300.00	\$18,000.00	\$250.00	\$15,000.00

** NOTE: Quantities shown in these columns are for in-house use.

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ITEM NO.	ITEM	**APPROX. QUANTITY	UNITS	**APPROX. QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
641.0100	Hydro-mulch seeding	L.S.	L.S.	L.S.	L.S.	L.S.	\$140,000.00	L.S.	\$278,132.00	L.S.	\$180,000.00	L.S.	\$50,000.00
645.0100	Traffic Control	L.S.	L.S.	L.S.	L.S.	L.S.	\$100,000.00	L.S.	\$430,000.00	L.S.	\$500,000.00	L.S.	\$200,000.00
645.2010	Additional Police Officers, Additional Traffic Control Devices and Advertisement	F.A.	F.A.	F.A.	F.A.	F.A.	\$80,000.00	F.A.	\$80,000.00	F.A.	\$80,000.00	F.A.	\$80,000.00
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	L.S.	L.S.	\$1,000.00	L.S.	\$23,609.00	L.S.	\$2,500.00	L.S.	\$5,000.00
650.0100	Curb Ramp, Modified	2	EA	2	EA	\$10,000.00	\$20,000.00	\$3,344.00	\$6,688.00	\$14,000.00	\$28,000.00	\$4,000.00	\$8,000.00
650.1000	Detectable Warning Mat	4	EA	4	EA	\$500.00	\$2,000.00	\$354.00	\$1,416.00	\$1,400.00	\$5,600.00	\$1,000.00	\$4,000.00
651.1000	HECO Ductline, One 3-Inch PVC Schedule 40, Concrete Encased	90	L.F.	90	L.F.	\$10.00	\$900.00	\$372.80	\$33,552.00	\$175.00	\$15,750.00	\$30.00	\$2,700.00
651.2000	HECO Handhole, 2' x 4'	1	Each	1	Each	\$8,500.00	\$8,500.00	\$11,316.20	\$11,316.20	\$7,500.00	\$7,500.00	\$1,500.00	\$1,500.00
651.3001	HECO Pole Riser, 3-Inch	2	Each	2	Each	\$250.00	\$500.00	\$5,309.40	\$10,618.80	\$5,500.00	\$11,000.00	\$100.00	\$200.00
651.3002	Remove HECO Pole Riser	2	Each	2	Each	\$250.00	\$500.00	\$1,769.80	\$3,539.60	\$2,000.00	\$4,000.00	\$37.50	\$75.00
652.1000	HT Ductline, One 2-Inch PVC, Type GT-42, Concrete Encased	90	L.F.	90	L.F.	\$10.00	\$900.00	\$318.50	\$28,665.00	\$150.00	\$13,500.00	\$30.00	\$2,700.00
652.2000	HT Handhole, 2' x 4'	1	EA	1	EA	\$8,500.00	\$8,500.00	\$11,414.80	\$11,414.80	\$10,000.00	\$10,000.00	\$1,500.00	\$1,500.00
652.3001	HT Pole Riser, 2-Inch	2	EA	2	EA	\$250.00	\$500.00	\$1,769.80	\$3,539.60	\$5,000.00	\$10,000.00	\$100.00	\$200.00
652.3002	Remove HT Pole Riser	2	EA	2	EA	\$250.00	\$500.00	\$1,179.90	\$2,359.80	\$2,000.00	\$4,000.00	\$37.50	\$75.00
655.0300	Dumped Riprap (Bridge 3)	2,300	C.Y.	2,300	C.Y.	\$190.00	\$437,000.00	\$360.50	\$829,150.00	\$400.00	\$920,000.00	\$500.00	\$1,150,000.00
655.0310	Dumped Riprap (Bridge 3A)	655	C.Y.	655	C.Y.	\$200.00	\$131,000.00	\$383.90	\$251,454.50	\$400.00	\$262,000.00	\$350.00	\$229,250.00
671.0100	Protection of Endangered Species	F.A.	F.A.	F.A.	F.A.	F.A.	\$100,000.00	F.A.	\$100,000.00	F.A.	\$100,000.00	F.A.	\$100,000.00
692.0100	Voluntary Partnering	F.A.	F.A.	F.A.	F.A.	F.A.	\$10,000.00	F.A.	\$10,000.00	F.A.	\$10,000.00	F.A.	\$10,000.00
693.2010	Terminal Impact Attenuator (QuadGuard M10 24")	L.S.	L.S.	L.S.	L.S.	L.S.	\$130,000.00	L.S.	\$116,363.20	L.S.	\$110,000.00	L.S.	\$180,000.00
693.2020	Terminal Impact Attenuator (MSKT-SP-MGS, TL-3)	L.S.	L.S.	L.S.	L.S.	L.S.	\$25,000.00	L.S.	\$22,417.30	L.S.	\$30,000.00	L.S.	\$160,000.00
693.2030	Terminal Impact Attenuator (MSKT-SP-MGS, TL-2)	L.S.	L.S.	L.S.	L.S.	L.S.	\$7,000.00	L.S.	\$5,604.40	L.S.	\$6,000.00	L.S.	\$7,500.00
693.2040	Terminal Impact Attenuator (Inertial Barrier System: Tau-II, Absorb 350 or Other NCHRP 350 Approved; MASH 2016 Approved Crash Cushion)	L.S.	L.S.	L.S.	L.S.	L.S.	\$80,000.00	L.S.	\$5,604.40	L.S.	\$100,000.00	L.S.	\$176,000.00
694.0100	Archeological Monitoring	F.A.	F.A.	F.A.	F.A.	F.A.	\$250,000.00	F.A.	\$250,000.00	F.A.	\$250,000.00	F.A.	\$250,000.00
696.0100	Field Office Trailer (Not To Exceed \$32,000)	L.S.	L.S.	L.S.	L.S.	L.S.	\$32,000.00	L.S.	\$30,000.00	L.S.	\$32,000.00	L.S.	\$32,000.00
696.1000	Maintenance of Trailers	F.A.	F.A.	F.A.	F.A.	F.A.	\$50,000.00	F.A.	\$50,000.00	F.A.	\$50,000.00	F.A.	\$50,000.00
698.0100	Training (8 Trainees)	1,000	HOUR	1,000	HOUR	\$24.00	\$24,000.00	\$80.50	\$80,500.00		\$1,000.00	\$1.00	\$1,000.00

