

TABULATION OF BIDS										
PROJECT:	KAMEHAMEHA HIGHWAY INTERSECTION IMPROVEMENTS AT KAHEKILI HIGHWAY						MIRA IMAGE CONSTRUCTION		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PROJECT NO.:	NH-083-1(082)									
NET LENGTH:	0.25 Miles									
ISLAND:	Oahu									
DISTRICT:	Koolaupoko									
TYPE CODE:	03,43									
DATE ADVERTISED:	September 14, 2022									
BIDS OPENED:	November 3, 2022									
COMPLETION TIME:	365 CALENDAR DAYS			** NOTE: Quantities shown in these columns are for in-house use.						
ITEM NO.	ITEM	**APPROX. QUANTITY	UNITS	APPROX. QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
201.1000	Clearing and Grubbing	7500	S.Y.	7500	S.Y.	\$ 25.00	\$ 187,500.00	\$ 13.30	\$ 99,750.00	
202.0100	Removal of Existing Traffic Sign(s) and Post(s)	20	EA	20	EA	\$ 890.00	\$ 17,800.00	\$ 400.00	\$ 8,000.00	
202.0200	Removal of Existing Concrete Piles	8	EA	8	EA	\$ 867.00	\$ 6,936.00	\$ 500.00	\$ 4,000.00	
202.0300	Removal of Existing Headwall	1	EA	1	EA	\$ 8,435.00	\$ 8,435.00	\$ 5,000.00	\$ 5,000.00	
202.0400	Removal of Existing Drain Inlet	1	EA	1	EA	\$ 11,100.00	\$ 11,100.00	\$ 5,000.00	\$ 5,000.00	
202.0500	Removal of Existing Drain Manhole	1	EA	1	EA	\$ 13,800.00	\$ 13,800.00	\$ 5,000.00	\$ 5,000.00	
202.0600	Removal of Existing Pavement	800	S.Y.	800	S.Y.	\$ 77.00	\$ 61,600.00	\$ 340.00	\$ 272,000.00	
202.0700	Removal of Existing Waterline	2	EA	2	EA	\$ 22,000.00	\$ 44,000.00	\$ 15,000.00	\$ 30,000.00	
203.1000	Roadway Excavation	5300	C.Y	5300	C.Y	\$ 220.00	\$ 1,166,000.00	\$ 59.34	\$ 314,500.00	
204.1000	Trench Excavation for Water System	105	C.Y.	105	C.Y.	\$ 533.00	\$ 55,965.00	\$ 390.00	\$ 41,067.00	
204.2000	Trench Backfill for Water System	L.S	L.S.	95 CY	L.S.	L.S.	\$ 27,500.00	L.S	\$ 21,330.00	
206.1000	Excavation for Drainage System	350	C.Y.	350	C.Y.	\$ 350.00	\$ 122,500.00	\$ 85.00	\$ 29,750.00	
208.1000	Leveling Surfaces	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 10,000.00	F.A.	\$ 10,000.00	
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	F.A.	L.S.	L.S.	\$ 370,000.00	L.S.	\$ 100,000.00	
209.0200	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00	
219.1000	Determination and Characterization of Fill Material	L.S	L.S	L.S	L.S	L.S.	\$ 153,000.00	L.S.	\$ 5,000.00	
301.1000	Hot Mix Asphalt Base Course	1200	Ton	1200	Ton	\$ 445.00	\$ 534,000.00	\$ 212.50	\$ 255,000.00	
304.1000	Aggregate Base	3400	C.Y.	3400	C.Y.	\$ 204.00	\$ 693,600.00	\$ 172.06	\$ 585,000.00	
313.1000	Permeable Separator	4400	S.Y.	4400	S.Y.	\$ 15.00	\$ 66,000.00	\$ 7.50	\$ 33,000.00	
401.1000	PMA Pavement, Mix No. IV. (PG 64E-22)	750	Ton	750	Ton	\$ 510.00	\$ 382,500.00	\$ 160.00	\$ 120,000.00	
411.1000	Truck Apron, 11-inch Concrete Pavement	150	C.Y.	150	C.Y.	\$ 1,890.00	\$ 283,500.00	\$ 1,200.00	\$ 193,181.00	

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ITEM NO.	ITEM	**APPROX. QUANTITY	UNITS	APPROX. QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
411.2000	Bus Bay Pad, 11-inch Concrete Pavement	85	C.Y.	85	C.Y.	\$ 2,130.00	\$ 181,050.00	\$ 1,200.00	\$ 109,232.00
415.1000	Cold Planing	650	S.Y.	650	S.Y.	\$ 86.00	\$ 55,900.00	\$ 15.00	\$ 9,750.00
417.1000	Geogrid	4400	S.Y.	4400	S.Y.	\$ 19.00	\$ 83,600.00	\$ 6.50	\$ 28,600.00
503.1000	Concrete in Water Systems	16	C.Y.	16	C.Y.	\$ 2,177.00	\$ 34,832.00	\$ 1,050.00	\$ 16,905.00
513.1000	CMU Wall	153	L.F.	153	L.F.	\$ 970.00	\$ 148,410.00	\$ 300.00	\$ 30,000.00
602.1000	Reinforcing Steel for Water System	1660	Pound	1660	Pound	\$ 15.50	\$ 25,730.00	\$ 2.60	\$ 4,314.80
603.0400	Clean Existing Culverts	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 20,000.00	F.A.	\$ 20,000.00
603.1000	24-Inch Reinforced Concrete Pipe, Class III	283	LF	283	LF	\$ 468.00	\$ 132,444.00	\$ 310.00	\$ 87,730.00
603.5000	Bed Course Material for Culvert	90	C.Y.	90	C.Y.	\$ 287.00	\$ 25,830.00	\$ 67.84	\$ 19,200.00
604.3100	Type A Catch Basin, 4 feet to 5 feet	1	EA	1	EA	\$ 30,550.00	\$ 30,550.00	\$ 27,000.00	\$ 27,000.00
604.3200	Type B1 Catch Basin 4 feet to 5 feet	1	EA	1	EA	\$ 30,550.00	\$ 30,550.00	\$ 27,000.00	\$ 27,000.00
604.3300	Type C1 Catch Basin, 4 feet to 5 feet	1	EA	1	EA	\$ 34,000.00	\$ 34,000.00	\$ 27,000.00	\$ 54,000.00
604.3400	Type 61614P Grated Drop Inlet, 4 feet to 5 feet	2	EA	2	EA	\$ 35,000.00	\$ 70,000.00	\$ 27,000.00	\$ 54,000.00
604.3500	Type 2A-9P Grated Drop Inlet, 4 feet to 5 feet	1	EA	1	EA	\$ 32,000.00	\$ 32,000.00	\$ 27,000.00	\$ 27,000.00
604.4100	Adjusting Drain Manhole Cast Iron Frame and Cover	1	EA	1	EA	\$ 17,920.00	\$ 17,920.00	\$ 2,200.00	\$ 2,200.00
604.6500	Type A Storm Drain Manhole, 4 feet to 5 feet	2	EA	2	EA	\$ 26,875.00	\$ 53,750.00	\$ 15,000.00	\$ 30,000.00
606.1000	Guardrail Type 31" W-Beam with Standard 8" Offset Block	230	LF	230	LF	\$ 177.00	\$ 40,710.00	\$ 125.00	\$ 28,750.00
606.3200	Guardrail W-Beam End Section, Rounded	3	EA	3	EA	\$ 800.00	\$ 2,400.00	\$ 500.00	\$ 1,500.00
614.1000	Reconstructing Street Survey Monument	1	EA	1	EA	\$ 16,500.00	\$ 16,500.00	\$ 600.00	\$ 600.00
622.1000	Roadway Lighting System	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 409,165.00	L.S.	\$ 317,000.00
624.1000	Water System A	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 92,000.00	L.S.	\$ 19,084.35
624.2000	Water System B	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 98,000.00	L.S.	\$ 19,298.70

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ITEM NO.	ITEM	**APPROX. QUANTITY	UNIT USED	APPROX. QUANTITY	UNIT USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
624.3000	Type X Meter Box	1	EA	1	EA	\$ 4,500.00	\$ 4,500.00	\$ 1,200.00	\$ 1,200.00
626.1000	Adjusting Sewer Manhole Frame and Cover	6	EA	6	EA	\$ 5,000.00	\$ 30,000.00	\$ 1,083.33	\$ 6,500.00
626.1100	Adjusting Water Manhole, Frame, and Cover	4	EA.	4	EA.	\$ 5,500.00	\$ 22,000.00	\$ 1,300.00	\$ 5,200.00
626.1200	Adjusting (Water) Standard Valve Box	3	EA.	3	EA.	\$ 3,500.00	\$ 10,500.00	\$ 1,600.00	\$ 4,800.00
627.1000	Cathodic Protection System	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 50,000.00	L.S.	\$ 125,000.00
629.1100	Water, 6-inch Pavement Striping (Type I, Tape, or Thermoplastic)	1700	L.F.	1700	L.F.	\$ 6.25	\$ 10,625.00	\$ 2.70	\$ 4,590.00
629.1110	Yellow, 4-inch Pavement Striping (Type I, Tape, or Thermoplastic)	1700	L.F	1700	L.F	\$ 4.25	\$ 7,225.00	\$ 2.70	\$ 4,590.00
629.1120	White, 4-inch Pavement Striping (Type I, Tape, or Thermoplastic)	360	L.F.	360	L.F.	\$ 11.00	\$ 3,960.00	\$ 2.70	\$ 972.00
629.3100	Yellow, 12-inch Pavement Striping (Type I, Tape, or Thermoplastic)	30	L.F.	30	L.F.	\$ 20.00	\$ 600.00	\$ 6.15	\$ 184.50
629.3200	White, 12-inch Pavement Striping (Tape, Type III, or Thermoplastic)	120	EA.	120	L.F.	\$ 20.00	\$ 2,400.00	\$ 6.15	\$ 738.00
629.4100	Yellow, Double 4-Inch Pavement Striping (Tape, Type I, or Thermoplastic)	620	LF	620	L.F.	\$ 7.00	\$ 4,340.00	\$ 3.60	\$ 2,232.00
629.5100	Crosswalk Marking (Tape, Type III, or Thermoplastic)	6	EA	6	Lane	\$ 650.00	\$ 3,900.00	\$ 420.00	\$ 2,520.00
629.5200	Pavement Arrow (Tape, Type III, or Thermoplastic)	6	EA.	6	EA.	\$ 500.00	\$ 3,000.00	\$ 390.00	\$ 2,340.00
629.5300	Pavement Symbol (Tape, Type III, or Thermoplastic)	6	EA	6	EA	\$ 1,170.00	\$ 7,020.00	\$ 575.00	\$ 3,450.00
629.6100	Type J Pavement Marker	10	EA	10	EA	\$ 41.00	\$ 410.00	\$ 11.50	\$ 115.00

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ITEM NO.	ITEM	**APPROX. QUANTITY	UNITS	APPROX. QUANTITY	UNITS USED	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
629.6200	Type C Pavement Marker	40	EA	40	EA	\$ 18.00	\$ 720.00	\$ 9.70	\$ 388.00
629.6300	Type D Pavement Marker	24	EA	24	EA	\$ 24.00	\$ 576.00	\$ 13.90	\$ 333.60
629.6400	Type H Pavement Marker	100	EA	100	EA	\$ 13.00	\$ 1,300.00	\$ 11.50	\$ 1,150.00
629.6500	Type F Pavement Marker	4	EA	4	EA	\$ 97.00	\$ 388.00	\$ 15.50	\$ 62.00
630.2000	Panel for Destination Sign	72	S.F.	72	S.F.	\$ 184.00	\$ 13,248.00	\$ 115.00	\$ 8,280.00
630.2200	Flanged Channel Post for Destination Sign	18	EA	18	EA	\$ 774.00	\$ 13,932.00	\$ 318.06	\$ 5,725.00
631.1100	Regulatory Sign (10 Square Feet or Less)	3	EA	3	EA	\$ 526.00	\$ 1,578.00	\$ 285.00	\$ 855.00
631.1200	Regulatory Sign (10 Square Feet or Less) with Post	9	EA	9	EA	\$ 1,100.00	\$ 9,900.00	\$ 580.00	\$ 5,220.00
631.3110	Warning Sign (10 Square Feet or Less)	6	EA	6	EA	\$ 480.00	\$ 2,880.00	\$ 260.00	\$ 1,560.00
631.3120	Warning Sign (10 Square Feet or Less) with Post	9	EA	9	EA	\$ 1,115.00	\$ 10,035.00	\$ 580.00	\$ 5,220.00
631.2000	Relocation of Existing Sign	3	EA	3	EA	\$ 1,250.00	\$ 3,750.00	\$ 400.00	\$ 1,200.00
632.1000	Reflector Marker RM-2	38	EA	38	EA	\$ 80.00	\$ 3,040.00	\$ 70.00	\$ 2,660.00
632.2000	Type II Object Marker	70	EA	70	EA	\$ 311.00	\$ 21,770.00	\$ 80.00	\$ 5,600.00
634.1000	Portland Cement Concrete Sidewalk	1000	S.Y.	1000	S.Y.	\$ 202.00	\$ 202,000.00	\$ 250.00	\$ 250,000.00
638.1000	Curb, Type 2D	1100	L.F.	1100	L.F.	\$ 75.00	\$ 82,500.00	\$ 165.00	\$ 181,500.00
638.2000	Curb, Type 2A Modified	310	L.F.	310	L.F.	\$ 90.00	\$ 27,900.00	\$ 165.00	\$ 51,150.00
638.3000	Curb and Gutter, Type DG	1000	L.F.	1000	L.F.	\$ 90.00	\$ 90,000.00	\$ 220.00	\$ 220,000.00
638.4000	Gutter, Type 1211214	31	L.F.	31	L.F.	\$ 350.00	\$ 10,850.00	\$ 220.00	\$ 6,820.00
641.1000	Hydro-Mulch Seeding	3100	S.Y.	3100	S.Y.	\$ 25.00	\$ 77,500.00	\$ 6.50	\$ 20,150.00
643.0100	Maintenance of Existing Landscape Areas	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00
645.1000	Traffic Control (365 Days)	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 1,455,056.00	L.S.	\$ 780,000.00
645.2000	Additional Police Officers, Additional Traffic Control Devices, and Advertisement	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 100,000.00	F.A.	\$ 100,000.00

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PROJECT NO.: NH-083-1(082)									
NET LENGTH: 0.25 Miles ISLAND: Oahu DISTRICT: Koolaupoko TYPE CODE: 03,43									
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648.1000	Field Posted Drawings	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 10,000.00	L.S.	\$ 10,000.00
650.1300	Curb Ramp, Type C	3	3	3	EA	\$ 6,000.00	\$ 18,000.00	\$ 8,700.00	\$ 26,100.00
650.1400	Curb Ramp, Type D	2	2	2	EA	\$ 4,500.00	\$ 9,000.00	\$ 8,700.00	\$ 17,400.00
650.1500	Curb Ramp, Type Combination	12	12	12	EA	\$ 10,500.00	\$ 126,000.00	\$ 11,000.00	\$ 132,000.00
671.1000	Protection of Endangered Species	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 25,000.00	F.A.	\$ 25,000.00
675.1000	Type C Bus Shelter	2	2	2	EA	\$ 48,500.00	\$ 97,000.00	\$ 55,000.00	\$ 110,000.00
675.2000	Removal of Existing Bus Shelter	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 7,500.00	L.S.	\$ 10,000.00
695.1000	Public Education Materials or Services	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 20,000.00	F.A.	\$ 20,000.00
696.0500	Maintenance of Trailers	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00
697.1000	Qualified Arborist, Root Barrier Installation and Tree and Root Pruning	F.A.	F.A.	F.A.	F.A.	F.A.	\$ 50,000.00	F.A.	\$ 50,000.00
699.1000	Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding Bid Price of this Item)	L.S.	L.S.	L.S.	L.S.	L.S.	\$ 368,560.00	L.S.	\$ 322,304.28
	Sum of All Items						\$9,021,540.00		\$ 5,754,852.23
	Amount for Comparison of Bids						\$9,021,540.00		\$ 5,754,852.23
	I certify that this is a true and correct tabulation of bids for this project.								
	Andrew J. Hirano			Dec 8, 2022					
	Andrew J. Hirano, Project Manager			Date					