

9/4/2024 Clarification #1 Response:
A numerical error was identified affecting bid Line Item 9-E.
Location and Corrections to this error are highlighted in
GREEN

VIRGIN ISLANDS WATER & POWER AUTHORITY

HANNAH'S REST - UNDERGROUND ELECTRIC CONSTRUCTION PROJECT-PHASE 1

FEEDER 8B Construction Revision #1 Bid Form 04-05-24

ST. CROIX, U.S. VIRGIN ISLANDS

Item	Quantity	Unit	Description	Unit Cost	Total Cost
GENERAL					
1	1	Lot	Mobilization	\$245,535.51	\$245,535.51
2	1	Lot	Bonding: Bid Guarantee, Performance Bond, Payment Bond	\$103,612.07	\$103,612.07
3	10,800	Linear Feet	Construction Impact Mitigation including Stormwater / Sediment & Erosion Control, Dust Control, Dewatering, Noise Control, Landscaping & Tree Protection	\$0.89	\$9,612.00
4	10,800	Linear Feet	Traffic Control/Traffic Control Devices/Road Closure Permits	\$16.86	\$182,088.00
5	1	Lot	Specialty Consulting Services (Arborist, Archeologist, Land Surveyor/Civil Engineer/SUE Engineer)	\$240,873.93	\$240,873.93
6	1	Lot	Project Cleanup, Punchlist, Demobilization & Closeout	\$85,118.63	\$85,118.63
Subtotal General					\$866,840.14
CIVIL WORK					
7			Duct Banks: Including roadway/sidewalk cutting, excavation, PVC conduits, spacers, elbows, couplings, pull lines, warning tape, Control Density Fill or Select Fill/Compaction		
7-A	10,132	Linear Feet	Duct Bank Section A-A 3-4" PVC (flow fill) under road	\$174.12	\$1,764,183.84
7-B	552	Linear Feet	Duct Bank Section B-B 2-4" PVC (flow fill) under road	\$136.05	\$75,099.60
7-C	53	Linear Feet	Duct Bank Section C-C 1-4" PVC (flow fill) under road	\$100.61	\$5,332.33
7-D	0	Linear Feet	Duct Bank Section D-D 4-4" PVC (flow fill) under road	\$0.00	\$0.00
7-E	13	Linear Feet	Duct Bank Section E-E 6-4" PVC (flow fill) under road	\$311.09	\$4,044.17
7-F	614	Linear Feet	Duct Bank Section F-F 1-2" PVC (direct buried secondary or comms)	\$135.93	\$83,461.02
7-G	3,515	Linear Feet	Duct Bank Section G-G 2-2" PVC (direct buried secondary or comms)	\$141.60	\$497,724.00
7-H	32	Linear Feet	Duct Bank Section H-H 3-2" PVC (direct buried secondary or comms)	\$149.58	\$4,786.56
7-J	689	Linear Feet	Duct Bank Section J-J 2-4" PVC (direct buried secondary or comms)	\$148.38	\$102,233.82
7-K	285	Linear Feet	Duct Bank Section K-K 5-4" PVC (flow fill) under road	\$237.93	\$67,810.05
7-L	397	Linear Feet	Duct Bank Section L-L 1-4" PVC (direct buried secondary or comms)	\$131.90	\$52,364.30
7-M	31	Linear Feet	Duct Bank Section M-M 7-4" PVC (flow fill) under road	\$308.18	\$9,553.58
7-N	260	Linear Feet	Duct Bank Section N-N 8-4" PVC (flow fill) under road	\$315.51	\$82,032.60
7-O	75	Linear Feet	Duct Bank Section O-O 1-4" & 1-2" PVC (direct buried secondary or comms)	\$161.67	\$12,125.25
7-P	58	Linear Feet	Duct Bank Section P-P 2-4" & 1-2" PVC (direct buried secondary or comms)	\$114.99	\$6,669.42

Item	Quantity	Unit	Description	Unit Cost	Total Cost
8-A	6	Each	Furnish & Install 4'W x 6'L x 6-6"D concrete pre-cast Electric Manhole, including roadway cutting, excavation, delivery & storage.	\$33,093.84	\$198,563.04
8-B	6	Each	Communications, including roadway cutting, excavation, delivery & storage	\$23,770.40	\$142,622.40
8-C	16	Each	Furnish & Install Secondary or Communications Handhole	\$9,835.02	\$157,360.32
9-A	1	Each	Single Phase Distribution Switchgear Pad (elevated)	\$4,066.78	\$4,066.78
9-B	24	Each	Single Phase Transformer Pad Standard	\$3,477.01	\$83,448.24
9-C	1	Each	Single Phase Transformer Pad Elevated	\$4,883.98	\$4,883.98
9-D	2	Each	Lateral Feeder Sectionalizing Cabinet Pad (elevated)	\$3,636.27	\$7,272.54
9-E	56	Each	Furnish & Install Protective Bollards (Per detail on Drawings)	\$2,668.00	\$149,408.00
10-A	2	Each	Primary riser pole (feeder lateral) civil work including Rigid Aluminum conduits, concrete encasement, and support brackets, per detail on dwg. #E-101	\$13,989.98	\$27,979.96
10-B	40	Each	Secondary riser pole civil work including conduit, concrete encasement, and support brackets, per detail on dwg. #E-101	\$6,536.96	\$261,478.40
10-C	1	Lot	Break into existing manhole, and comms handhole as described on Contract Drawings. This work will occur outside of normal working hours.	\$7,970.84	\$7,970.84
11-A	1000	Linear feet	Cut & repair concrete curbs (per detail on Dwg. #G-101)	\$31.86	\$31,860.00
11-B	500	Linear Feet	Cut & repair sidewalks (per detail on Dwg. #G-101)	\$33.26	\$16,630.00
11-C	80,565	Square Feet	Bituminous Pavement Replacement (per detail on Dwg. #G-101)	\$12.14	\$978,059.10
11-D	340	Square Feet	Concrete Roadway Restoration	\$38.42	\$13,062.80
12	250	Cubic Yard	Rock Excavation	\$292.99	\$73,247.50
Subtotal Civil					\$4,925,328.88
ELECTRICAL WORK					
13-A	1	Each	Furnish, rig and install single phase pad mounted switchgear, tag B on dwg. #E-400	\$71,737.57	\$71,737.57
13-B	25	Each	Receive, transport, rig and install 100kVA 1 phase transformer, tag A on dwg. #E-400	\$5,579.59	\$139,489.75
13-C	2	Each	Furnish, transport, rig & install, pad mounted lateral feeder Sectionalizing Cabinet (junctions & terminations are included under separate line items)	\$19,927.10	\$39,854.20
14-A	6	Each	Furnish & install grounding & bonding in electric manholes per detail on dwg. #E-101	\$4,463.67	\$26,782.02
14-B	1	Each	Furnish & install grounding & bonding for 1 phase pad mounted switchgear	\$3,666.59	\$3,666.59

Item	Quantity	Unit	Description	Unit Cost	Total Cost
14-C	25	Each	Furnish & install grounding & bonding for 1 phase pad mounted transformer per detail on dwg. #E-102	\$3,666.59	\$91,664.75
14-D	2	Each	Furnish & install grounding & bonding for pad mounted sectionalizing cabinet per detail on dwg. #E-102	\$3,666.59	\$7,333.18
15-A	12,459	Linear Feet	Furnish and install medium voltage 1 phase feeder cable (#1/0) tag 3 on dwg. #E-400, termination of cable to be included under cable termination category	\$31.88	\$397,192.92
16-A	3	Each	Furnish & Install 25kV Cold Shrink Splices, Tag 1A on dwg. #E-400	\$3,666.59	\$10,999.77
16-B	60	Each	Furnish & Install 200A, 25kV Elbows, Tag 2B on dwg. #E-400	\$1,514.46	\$90,867.60
16-C	7	Each	Furnish & Install 18kV elbow type Surge Arresters, Tag 7B on dwg. #E-400	\$1,036.21	\$7,253.47
16-D	37	Each	Furnish & install Cable Fault Indicators, tag 4 on dwg. #E-400	\$1,036.21	\$38,339.77
16-E	11	Each	Furnish & install 25kV, Insulating Cap for 200A Bushing, tag 12B on dwg. #E-400	\$797.08	\$8,767.88
16-F	4	Each	Furnish & install outdoor cable termination kits, tag 10C on dwg. #E-400	\$3,985.42	\$15,941.68
16-G	3	Each	Furnish & install feed thru inserts, tag 18 on dwg. #E-400	\$1,594.17	\$4,782.51
16-H	6	Each	Furnish & install 4 point, 200A junction, tag 11H on dwg. #E-400	\$1,594.17	\$9,565.02
16-I	6	Each MH	Furnish & install manhole accessories for per bill of material on Dwg. E-100	\$9,565.01	\$57,390.06
17-A	150	Linear Feet	Furnish & install #600 kcmil,cu,600 volt conductor (secondary to riser pole)	\$79.71	\$11,956.50
17-B	255	Linear Feet	Furnish & install #400 kcmil,cu,600 volt conductor (secondary to riser pole)	\$47.83	\$12,196.65
17-C	1,500	Linear Feet	Furnish & install #350 kcmil,cu,600 volt conductor (secondary to riser pole)	\$44.64	\$66,960.00
17-D	150	Linear Feet	Furnish & install #300 kcmil,cu,600 volt conductor (secondary to riser pole)	\$44.64	\$6,696.00
17-E	684	Linear Feet	Furnish & install #250 kcmil,cu,600 volt conductor (secondary to riser pole)	\$38.26	\$26,169.84
17-F	2,010	Linear Feet	Furnish & install #4/0 awg,cu,600 volt conductor (secondary to riser pole)	\$35.07	\$70,490.70
17-G	765	Linear Feet	Furnish & install #2/0 awg,cu,600 volt conductor (secondary to riser pole)	\$31.88	\$24,388.20
17-H	10,800	Linear Feet	Furnish & install #1/0 awg,cu,600 volt conductor (secondary to riser pole)	\$28.70	\$309,960.00
17-I	96	Each	Secondary lugs / Terminations (1 phase) at transformers	\$398.54	\$38,259.84
17-J	24	Each	Secondary Weatherproof Terminal Blocks (Ilsco or equal) in Secondary Handholes	\$557.96	\$13,391.04

Item	Quantity	Unit	Description	Unit Cost	Total Cost
18-A	12,459	Linear Feet	Electrical Acceptance Testing for #1/0, 25kV cable	\$2.39	\$29,777.01
18-B	1	Each	Electrical Acceptance Testing for Pad Mounted Switchgear	\$3,985.42	\$3,985.42
18-C	25	Each	Electrical Acceptance Testing for 1 phase pad mounted transformer	\$2,550.67	\$63,766.75
18-D	16,314	Each	Electrical Acceptance Testing for 600 volt LV conductors	\$1.20	\$19,576.80
Subtotal Electrical					\$1,719,203.49
TOTAL LUMP SUM CONSTRUCTION BID					\$7,511,372.51