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		
2	1	Lot	Bonding: Bid Guarantee, Performance Bond, Payment Bond		
3	10,800	Linear Feet	Construction Impact Mitigation including Stormwater / Sediment & Erosion Control, Dust Control, Dewatering, Noise Control, Landscaping & Tree Protection		
4	10,800	Linear Feet	Traffic Control/Traffic Control Devices/Road Closure Permits		
5	1	Lot	Specialty Consulting Services (Arborist, Archeologist, Land Surveyor/Civil Engineer/SUE Engineer)		
6	1	Lot	Project Cleanup, Punchlist, Demobilization & Closeout		
Subtotal General					
			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		
7-B	552	Linear Feet	Duct Bank Section B-B 2-4" PVC (flow fill) under road		
7-C	53	Linear Feet	Duct Bank Section C-C 1-4" PVC (flow fill) under road		
7-D	0	Linear Feet	Duct Bank Section D-D 4-4" PVC (flow fill) under road		
7-E	13	Linear Feet	Duct Bank Section E-E 6-4" PVC (flow fill) under road		
7-F	614	Linear Feet	Duct Bank Section F-F 1-2" PVC (direct buried secondary or comms)		
7-G	3,515	Linear Feet	Duct Bank Section G-G 2-2''' PVC (direct buried secondary or comms)		
7-H	32	Linear Feet	Duct Bank Section H-H 3-2''' PVC (direct buried secondary or comms)		
7-J	689	Linear Feet	Duct Bank Section J-J 2-4" PVC (direct buried secondary or comms)		
7-K	285	Linear Feet	Duct Bank Section K-K 5-4" PVC (flow fill) under road		
7-L	397	Linear Feet	Duct Bank Section L-L 1-4" PVC (direct buried secondary or comms)		
7-M	31	Linear Feet	Duct Bank Section M-M 7-4" PVC (flow fill) under road		
7-N	260	Linear Feet	Duct Bank Section N-N 8-4" PVC (flow fill) under road		
7-O	75	Linear Feet	Duct Bank Section O-O 1-4" & 1-2" PVC (direct buried secondary or comms)		
7-P	58	Linear Feet	Duct Bank Section P-P 2-4" & 1-2" PVC (direct buried secondary or comms)		

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.		
8-B	6	Each	Furnish & Install 4'W x 4'L x 4'D polymer concrete handhole for Communications, including roadway cutting, excavation, delivery & storage		
8-C	16	Each	Furnish & Install Secondary or Communications Handhole		
9-A	1	Each	Single Phase Distribution Switchgear Pad (elevated)		
9-B	24	Each	Single Phase Transformer Pad Standard		
9-C	1	Each	Single Phase Transformer Pad Elevated		
9-D	2	Each	Lateral Feeder Sectionalizing Cabinet Pad (elevated)		
9-E	56	Each	Furnish & Install Protective Bollards (Per detail on Drawings)		
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		
10-B	40	Each	Secondary riser pole civil work including conduit, concrete encasement, and support brackets, per detail on dwg. #E-101		
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.		
11-A	1000	Linear feet	Cut & repair concrete curbs (per detail on Dwg. #G-101)		
11-B	500	Linear Feet	Cut & repair sidewalks (per detail on Dwg. #G-101)		
11-C	80,565	Square Feet	Bituminous Pavement Replacement (per detail on Dwg. #G-101)		
11-D	340	Square Feet	Concrete Roadway Restoration		
12	250	Cubic Yard	Rock Excavation		
Subtotal Civil					
			ELECTRICAL WORK		
13-A	1	Each	Furnish, rig and install single phase pad mounted switchgear, tag B on dwg. #E-400		
13-B	25	Each	Receive, transport, rig and install 100kVA 1 phase transformer, tag A on dwg. #E-400		
13-C	2	Each	Furnish, transport, rig & install, pad mounted lateral feeder Sectionalizing Cabinet (junctions & terminations are included under separate line items)		
14-A	6	Each	Furnish & install grounding & bonding in electric manholes per detail on dwg. #E-101		
14-B	1	Each	Furnish & install grounding & bonding for 1 phase pad mounted switchgear		

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		
14-D	2	Each	Furnish & install grounding & bonding for pad mounted sectionalizing cabinet per detail on dwg. #E-102		
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		
16-A	3	Each	Furnish & Install 25kV Cold Shrink Splices, Tag 1A on dwg. #E-400		
16-B	60	Each	Furnish & Install 200A, 25kV Elbows, Tag 2B on dwg. #E-400		
16-C	7	Each	Furnish & Install 18kV elbow type Surge Arresters, Tag 7B on dwg. #E-400		
16-D	37	Each	Furnish & install Cable Fault Indicators, tag 4 on dwg. #E-400		
16-E	11	Each	Furnish & install 25kV, Insulating Cap for 200A Bushing, tag 12B on dwg. #E-400		
16-F	4	Each	Furnish & install outdoor cable termination kits, tag 10C on dwg. #E-400		
16-G	3	Each	Furnish & install feed thru inserts, tag 18 on dwg. #E-400		
16-H	6	Each	Furnish & install 4 point, 200A junction, tag 11H on dwg. #E-400		
16-I	6	Each MH	Furnish & install manhole accessories for per bill of material on Dwg. E-100		
17-A	150	Linear Feet	Furnish & install #600 kcmil,cu,600 volt conductor (secondary to riser pole)		
17-B	255	Linear Feet	Furnish & install #400 kcmil,cu,600 volt conductor (secondary to riser pole)		
17-C	1,500	Linear Feet	Furnish & install #350 kcmil,cu,600 volt conductor (secondary to riser pole)		
17-D	150	Linear Feet	Furnish & install #300 kcmil,cu,600 volt conductor (secondary to riser pole)		
17-E	684	Linear Feet	Furnish & install #250 kcmil,cu,600 volt conductor (secondary to riser pole)		
17-F	2,010	Linear Feet	Furnish & install #4/0 awg,cu,600 volt conductor (secondary to riser pole)		
17-G	765	Linear Feet	Furnish & install #2/0 awg,cu,600 volt conductor (secondary to riser pole)		
17-H	10,800	Linear Feet	Furnish & install #1/0 awg,cu,600 volt conductor (secondary to riser pole)		
17-I	96	Each	Secondary lugs / Terminations (1 phase) at transformers		
17-J	24	Each	Secondary Weatherproof Terminal Blocks (Ilsco or equal) in Secondary Handholes		

Item	Quantity	Unit	Description	Unit Cost	Total Cost
18-A	12,459	Linear Feet	Electrical Acceptance Testing for #1/0, 25kV cable		
18-B	1	Each	Electrical Acceptance Testing for Pad Mounted Switchgear		
18-C	25	Each	Electrical Acceptance Testing for 1 phase pad mounted transformer		
18-D	16,314	Each	Electrical Acceptance Testing for 600 volt LV conductors		
Subtotal Electrical					
TOTAL LUMP SUM CONSTRUCTION BID					