



CITY OF SAINT PAUL, TRIDENT SERVICE

June 13, 2023

ENGINEER'S CONSTRUCTION ESTIMATE - IFC

Project(s):
EPS 23-0072



Status	Assembly Unit	Description	Bid Quantity	Adjusted Const. Quantity	Unit of Meas.	Labor (P.U.)	Total Labor	Material (P.U.)	Total Material	Total Labor & Material
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INSTALL

I	#1/0 CONC 15	1/0 CONC 15kV AL, FULL NEUTRAL, 133% INSULATION (FEET)	414		FT	\$ 5.63	\$ 2,328.75	\$ 3.50	\$ 1,449.00	\$ 3,777.75
I	350 MCM CU XHHW	350MCM SINGLE 600V COPPER UNDERGROUND, XHHW (FEET)	1380		FT	\$ 10.13	\$ 13,972.50	\$ 6.75	\$ 9,315.00	\$ 23,287.50
I	M-BOL	BOLLARD	4		EA	\$ 168.75	\$ 675.00	\$ 200.00	\$ 800.00	\$ 1,475.00
I	UM1-1B	PAD, THREE PHASE TRANSFORMER/SECTIONALIZER 75-750 kVA (78"x72"x24")	1		EA	\$ 3,600.00	\$ 3,600.00	\$ 900.00	\$ 900.00	\$ 4,500.00
I	UG17-2-750-B	3PH PAD MOUNTED TRANSFORMER LOOP FEED (480Y/277V, 750 kVA)	1		EA	\$ 9,000.00	\$ 9,000.00	\$ 24,350.00	\$ 24,350.00	\$ 33,350.00
I	UM50-S-4	CONDUIT, 4" GALVANIZED RIGID STEEL (FEET)	210		FT	\$ 45.00	\$ 9,450.00	\$ 17.00	\$ 3,570.00	\$ 13,020.00
I	FBR490SS	ELBOW, CONDUIT 4" FIBERGLASS SHORT SWEEP 90°	22		EA	\$ 337.50	\$ 7,425.00	\$ 80.00	\$ 1,760.00	\$ 9,185.00
I	SS-14-4-B	SERVICE DISCONNECT, THREE PHASE, 1400A, BOTTOM FEED	1		EA	\$ 11,250.00	\$ 11,250.00	\$ 14,000.00	\$ 14,000.00	\$ 25,250.00
I	UM6-1-A	LOAD BREAK ELBOW (200A) - FOR #1/0 CONC 15KV AL, FULL NEUTRAL, 133% INSULATION	6		EA	\$ 450.00	\$ 2,700.00	\$ 75.00	\$ 450.00	\$ 3,150.00
I	UM2.2GX	CABLE TAGGING ASSEMBLY	10		EA	\$ 112.50	\$ 1,125.00	\$ 5.00	\$ 50.00	\$ 1,175.00
I	UR2	TRENCH, PRIMARY OR SECONDARY (24"W X 48"D) (FEET)	15		FT	\$ 28.13	\$ 421.88		\$ -	\$ 421.88
I	URC-DB	RED CONCRETE ENCASED DUCT BANK	70		FT	\$ 45.00	\$ 3,150.00	\$ 33.00	\$ 2,310.00	\$ 5,460.00

RETIRE

R	UM6-10	INSULATED PROTECTIVE CAP (200A)	3		EA	\$ 59.06	\$ 177.19	\$ -	\$ -	\$ 177.19
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RELAY

I	EPS ENGINEERING	DRAWING PACKAGES	1		EA	\$ 6,840.00	\$ 6,840.00		\$ -	\$ 6,840.00
I	EPS ENGINEERING	SEL-751 SETTINGS	1		EA	\$ 3,375.00	\$ 3,375.00		\$ -	\$ 3,375.00
I	EPC INSTALL	JOURNEYMAN ELECTRICIAN ONSITE INSTALL & TRAVEL	1		EA	\$ 5,838.20	\$ 5,838.20	\$ 2,900.00	\$ 2,900.00	\$ 8,738.20
I	EPC COMMISSIONING	EASYGEN SETTING UPDATES, RELAY TESTING, PARALLEL TESTING TRAVEL DAYS	1		EA	\$ 8,208.00	\$ 8,208.00		\$ -	\$ 8,208.00

Sub-total	\$ 89,536.51		\$ 61,854.00	\$ 151,390.51
15% Contingency	\$ 13,430.48		\$ 9,278.10	\$ 22,708.58
Total	\$ 102,966.99		\$ 71,132.10	\$ 174,099.09