



South Berwick, Maine Section 197 115kV UG Transmission Line Cost Estimate

Section 197 115kV - 1200 ft
(Existing Section 250 Structure 394 to Structure 396)

Item #	Description	Comments	Qty	Unit	\$/Unit	Total
1	115 kV Cable		1200	FT/CKT	230	275,400
2	Spare Cable		1267	FT	60	76,020
3	Cable Terminations		12	EA	22,000	264,000
4	Cable Splices		0	EA	22,000	-
5	Arrestors		12	EA	3,250	39,000
6	Grounding		1	LS/CKT	64,000	64,000
7	Cable Testing		1	LS/CKT	7,500	7,500
8	Fiber Optic Communication		1	LS	39,250	39,250
9	Temperature Monitoring		1	LS	79,850	79,850
10	Duct Bank		1200	FT	138	165,600
11	Manholes		0	EA	50,000	-
12	Dewatering/Sheeting/Shoring		1	LS	33,900	33,900
13	Pavement Repair		48	FT	94	4,500
14	Rock Excavation	No rock assumed. See Note 4.	0	LS	-	-
16	Transition Structures		2	EA	100,000	200,000
17	Wetland Mats		52	EA	250	13,000
18	Erosion Control		1200	FT	1	1,200
19	Restoration & Seeding		1	LS	7,350	7,350
20	Site Work, including Fencing/Grounding		2	LS	54,075	108,150
21	Mobilize/Demobilize		0	LS	44,730	-
	Subtotal					1,378,720
22	Permitting (4%)		1	LS	56,000	56,000
23	Engineering (10%)		1	LS	138,000	138,000
24	Construction Management		1	LS	69,000	69,000
	Subtotal					1,641,720
24	Contingency (15% +/-)					244,569
25	CMP - PM, Support, Overhead (1% +/-)					16,417
Total						1,902,706

Notes:

1. Single circuit in four hole duct bank.
2. Cable size of 1750 kcmil copper cable based on 1133A summer rating and maximum trench depth of 10 feet.
3. Roads can be open cut.
4. Cost for rock excavation was not included. If rock exists, an additional cost of up to \$100,000, may be incurred depending on the amount of rock.
5. Estimate is based on recent quotes. Cost of the project may go up or down depending on a number of factors.
 - a. Cost of materials. The cost of copper continues to fluctuate and may result in a significant increase or decrease in the cable cost.
 - b. Contractor/Manufacturer availability. Currently many of the cable manufacturers have their factories full with orders. Many of the installation contractors are also busy.
6. Costs have been added for switches and fenced in transition station.