

33 71 Electrical Utility Transmission and Distribution

33 71 16 – Electrical Utility Poles

		Daily	Labor-			2022 Bare Costs			Total
		Crew	Output	Hours	Unit	Material	Labor	Equipment	Incl O&P
33 71 16.33 Wood Electrical Utility Poles									
0010	WOOD ELECTRICAL UTILITY POLES								
0011	Excludes excavation, backfill and cast-in-place concrete								
6200	Wood, class 3 Douglas Fir, penta-treated, 20'	R-3	3.10	6.452	Ea.	264	425	56	985
6600	30'		2.60	7.692		345	505	66.50	1,200
7000	40'		2.30	8.696		630	575	75.50	1,625
7200	45'		1.70	11.765		920	775	102	2,250
7400	Cross arms with hardware & insulators								
7600	4' long	1 Elec	2.50	3.200	Ea.	160	212		490
7800	5' long		2.40	3.333		175	221		525
8000	6' long		2.20	3.636		212	241		595

33 71 19 – Electrical Underground Ducts and Manholes

33 71 19.17 Electric and Telephone Underground

33 71 19.17 ELECTRIC AND TELEPHONE UNDERGROUND									
0011	Not including excavation								
0200	backfill and cast in place concrete								
0400	Hand holes, precast concrete, with concrete cover								
0600	2' x 2' x 3' deep	R-3	2.40	8.333	Ea.	445	550	72.50	1,375
0800	3' x 3' x 3' deep		1.90	10.526		580	695	91.50	1,750
1000	4' x 4' x 4' deep		1.40	14.286		1,675	940	124	3,375
1200	Manholes, precast with iron racks & pulling irons, C.I. frame								
1400	and cover, 4' x 6' x 7' deep	B-13	2	28	Ea.	3,200	1,400	1,050	6,750
1600	6' x 8' x 7' deep		1.90	29.474		3,600	1,475	1,100	7,325
1800	6' x 10' x 7' deep		1.80	31.111		4,025	1,550	1,175	8,025
4200	Underground duct, banks ready for concrete fill, min. of 7.5"								
4400	between conduits, center to center								
4580	PVC, type EB, 1 @ 2" diameter	2 Elec	480	.033	L.F.	1.12	2.21		4.51
4600	2 @ 2" diameter		240	.067		2.24	4.41		9
4800	4 @ 2" diameter		120	.133		4.49	8.85		18.05
5000	2 @ 3" diameter		200	.080		3.06	5.30		11.20
5200	4 @ 3" diameter		100	.160		6.10	10.60		22.50
5400	2 @ 4" diameter		160	.100		4.39	6.60		14.70
5600	4 @ 4" diameter		80	.200		8.80	13.25		29.50
5800	6 @ 4" diameter		54	.296		13.15	19.60		43.50
6200	Rigid galvanized steel, 2 @ 2" diameter		180	.089		17.05	5.90		27.50
6400	4 @ 2" diameter		90	.178		34	11.75		55
6800	2 @ 3" diameter		100	.160		37.50	10.60		57.50
7000	4 @ 3" diameter		50	.320		75.50	21		115
7200	2 @ 4" diameter		70	.229		52.50	15.15		80.50
7400	4 @ 4" diameter		34	.471		105	31		163
7600	6 @ 4" diameter		22	.727		158	48		245