

POLE MAINTENANCE AND MISCELLANEOUS

ITEM

	30'	35'	40'	45'	50'	55'	60'	65'	70'	75'	80'	85'	90'	95'	100'
1. Trenching or moving: (with supply)*	934	1246	1350	1557	1557	1765	1920	2180	2440	2699	3010	3322	3633	3893	4204
2. Trenching or moving: (without supply)*	523	523	523	523	688	673									
3. Lowering or raising to grade (one operation) :	824	913	957	1048	1084	1155	1334	1411	1622	1852	2018	2110	2365	2451	2543
4. Straightening in earth*:	900	947	982	1035	1092	1136	1222	1346	1473	1936	2045	2113	2193	2254	2321
5. Removing from service:															
(a) Pulling.....per pole															1007
*includes 1 hour pre-planning and engineering															
(b) Transporting.....per pole															260
(c) Topping Pole.....															315
*based on 2 cuts, topping and lowering.															
(d) Disposal.....per pole															123
*effective 07/01/02															
6. Pole Stubbing (stub-size):															
(a) 8 ft. plates.....															454
(b) 10 ft. plates.....															525
(c) 11 ft. plates.....															599
(d) 12 ft. plates.....															617
(e) 13 ft. plates.....															1241
(f) 14 ft. plates.....															1972
(g) 15.5 ft. plates.....															1795
(h) additional trusses (all sizes).....															248
7. Semi-circular cable guard (“U” guard):															
(a) Installation.....															81
(b) Transferring.....															93
8. Semi-circular pole guards:															
(a) Installation.....															166
(b) Transferring.....															146
9. Hand Dig Pole Set															618
10. Sidewalk or pavement repairs for placement, replacement, or removal of pole or anchor: (Permit and/or inspection fees, if any, are by special agreement) (See also JPR Section 19.6)															
(a) Cement break and repair.....															399
(b) Asphalt break and repair.....															208
(c) Cement saw cut break and repair.....															677
11. Joint Rights of Way: (By special agreement)															
12. Pole Inspections and Treatment															
(a) Visual Inspection.....															22
(b) Partial Dig.....															27
(c) Sound and Bore.....															25
(d) Full Treatment.....															49
(e) Reject.....															23
13. Pole access obstructions:															
(a) Clearing poles in State Responsibility area..... (Includes cost of contractor to perform activity and post Quality Control inspection)															16
(b) All other by Special Agreement Section 1.2															

AUTHORIZED COSTS

ITEM

14. Failure to Final JPA Administrative Fee (perJPA)	78
15. Pole Marking	
(a) Tagging.....	37
(b) Visibility Strips	26
16. Backhoe:	
(a) 2 hour minimum.....	236
(b) Each additional hour (inclusive operator & truck).....	118
17. Wood pole fiberglass wrap restoration:	
(a) Pole set in dirt (8 ft. standard).....	1064
(b) Pole set in asphalt (includes cost of \$140 for asphalt / 8 ft. standard).....	1346
(c) Pole set in concrete (includes cost of \$245 for concrete / 8 ft. standard).....	1340
(d) Additional foot exceeding 8 ft. standard.....	82
18. Mod pole material and installation:	
(a) 9'.....	3628
(b) 14'.....	4173
(c) 18'.....	3976
Prices established are from price list received from Pole Care 6-23-00	
19. Cost for placing pole back in the same hole:	
(a) Pole placement located on street without riser and/or equipment	1063
(b) Pole placement located on street with riser and/or equipment.....	1233
(c) Pole placement on rear property with or without riser and/or equipment	1547

***NOTE:** Items 1,2,4 and 6 - For pole in sidewalk or pavement, use the specified "in earth" cost and add Item 10 as a separate item for the cost of sidewalk or pavement repair.

**TRENCHING OR MOVING
In Earth, 5' or Less, Item 1 (With Supply)
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	934	31.13	778.33	389.17	259.44	194.58	155.67	129.72
35'	1246	35.60	961.20	480.60	320.40	240.30	192.24	160.20
40'	1350	33.75	1012.50	506.25	337.50	253.13	202.50	168.75
45'	1557	34.60	1038.00	519.00	346.00	259.50	207.60	173.00
50'	1557	31.14	965.34	482.67	321.78	241.34	193.07	160.89
55'	1765	32.09	994.82	497.41	331.61	248.70	198.96	165.80
60'	1920	32.00	1024.00	512.00	341.33	256.00	204.80	170.67
65'	2180	33.54	1073.23	536.62	357.74	268.31	214.65	178.87
70'	2440	34.86	1150.29	575.14	383.43	287.57	230.06	191.71
75'	2699	35.99	1187.56	593.78	395.85	296.89	237.51	197.93
80'	3010	37.63	1279.25	639.63	426.42	319.81	255.85	213.21
85'	3322	39.08	1328.80	664.40	442.93	332.20	265.76	221.47
90'	3633	40.37	1412.83	706.42	470.94	353.21	282.57	235.47
95'	3893	40.98	1434.26	717.13	478.09	358.57	286.85	239.04
100'	4204	42.04	1471.40	735.70	490.47	367.85	294.28	245.23

**TRENCHING OR MOVING
In Earth, 5' or Less, Item 2 (Without Supply)
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	523	17.43	435.83	217.92	145.28	108.96	87.17	72.64
35'	523	14.94	403.46	201.73	134.49	100.86	80.69	67.24
40'	523	13.08	392.25	196.13	130.75	98.06	78.45	65.38
45'	523	11.62	348.67	174.33	116.22	87.17	69.73	58.11
50'	688	13.76	426.56	213.28	142.19	106.64	85.31	71.09
55'	673	12.24	379.33	189.66	126.44	94.83	75.87	63.22

**LOWERING OR RAISING
to Grade, Item 3
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	824	27.47	686.67	343.33	228.89	171.67	137.33	114.44
35'	913	26.09	704.31	352.16	234.77	176.08	140.86	117.39
40'	957	23.93	717.75	358.88	239.25	179.44	143.55	119.63
45'	1048	23.29	698.67	349.33	232.89	174.67	139.73	116.44
50'	1084	21.68	672.08	336.04	224.03	168.02	134.42	112.01
55'	1155	21.00	651.00	325.50	217.00	162.75	130.20	108.50
60'	1334	22.23	711.47	355.73	237.16	177.87	142.29	118.58
65'	1411	21.71	694.65	347.32	231.55	173.66	138.93	115.77
70'	1622	23.17	764.66	382.33	254.89	191.16	152.93	127.44
75'	1852	24.69	814.88	407.44	271.63	203.72	162.98	135.81
80'	2018	25.23	857.65	428.83	285.88	214.41	171.53	142.94
85'	2110	24.82	844.00	422.00	281.33	211.00	168.80	140.67
90'	2365	26.28	919.72	459.86	306.57	229.93	183.94	153.29
95'	2451	25.80	903.00	451.50	301.00	225.75	180.60	150.50
100'	2543	25.43	890.05	445.03	296.68	222.51	178.01	148.34

**STRAIGHTENING
in Earth, Item 4
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	900	30.00	750.00	375.00	250.00	187.50	150.00	125.00
35'	947	27.06	730.54	365.27	243.51	182.64	146.11	121.76
40'	982	24.55	736.50	368.25	245.50	184.13	147.30	122.75
45'	1035	23.00	690.00	345.00	230.00	172.50	138.00	115.00
50'	1092	21.84	677.04	338.52	225.68	169.26	135.41	112.84
55'	1136	20.65	640.29	320.15	213.43	160.07	128.06	106.72
60'	1222	20.37	651.73	325.87	217.24	162.93	130.35	108.62
65'	1346	20.71	662.65	331.32	220.88	165.66	132.53	110.44
70'	1473	21.04	694.41	347.21	231.47	173.60	138.88	115.74
75'	1936	25.81	851.84	425.92	283.95	212.96	170.37	141.97
80'	2045	25.56	869.13	434.56	289.71	217.28	173.83	144.85
85'	2113	24.86	845.20	422.60	281.73	211.30	169.04	140.87
90'	2193	24.37	852.83	426.42	284.28	213.21	170.57	142.14
95'	2254	23.73	830.42	415.21	276.81	207.61	166.08	138.40
100'	2321	23.21	812.35	406.18	270.78	203.09	162.47	135.39

**TRANSFER COSTS
GUY WIRES**

ITEM

20. Guy wires - transfer (overhead, span, arm, or anchor) including insulators if used:	
(a) All types and sizes, each end.....	186
(b) Sidewalk anchor guys (pipe brace and fittings, all sizes).....	307
NOTE: When necessary to relocate a guy insulator, add the following to above cost:	
(c) Insulator relocation.....	162

**TRANSFER COSTS
POWER CIRCUITS**

ITEM

21. Crossarms - raising, lowering, or transferring of all size crossarms whether in flat, vertical, sidearm or triangular configuration, including the insulators:										
	<table style="margin-left: auto; margin-right: 0;"> <tr> <td></td> <td style="text-align: center;">Plus</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">Conductor</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">Arm</td> <td style="text-align: center;">Each</td> </tr> </table>		Plus			Conductor			Arm	Each
	Plus									
	Conductor									
	Arm	Each								
(a) 0-7.5kv single arm (includes service arm).....	223 104									
(b) 0-7.5kv double arm.....	316 117									
(c) 0-7.5kv double arm with reinforcing bracket.....	385 117									
(d) 0-7.5kv sidearm - single.....	201 103									
(e) 0-7.5kv sidearm - double.....	425 185									
(f) 7.6-15kv single arm.....	195 275									
(g) 7.6-15kv double arm.....	303 275									
(h) 7.6-15kv sidearm - single.....	270 275									
(i) 7.6-15kv sidearm - double.....	463 275									
(j) 16-34kv single arm.....	292 217									
(k) 16-34kv double arm.....	371 229									
(l) 16-34kv double arm with reinforcing bracket.....	504 229									
(m) 16-34kv sidearm - single.....	363 275									
(n) 16-34kv sidearm - double.....	591 208									
(o) 66-115kv single arm.....	424 278									
(p) 66-115kv double arm.....	577 278									
(q) 66-115kv steel arm.....	307 277									

NOTE: the specified conductor price is to be applied only when it is necessary to untie and retie the conductor. Where the conductors only are being transferred, the conductor price should be doubled. Add Item 24 for bonding cost.

NOTES CONCERNING ITEMS 21 AND 22:

For strain dead ends on arm, omit specified conductor cost and add Item 22. For Close Buck (Smith Corner) construction, cost of transferring corner arm bracing is extra by field agreement.

In triangular or vertical configuration, when circuits are of different voltage or different type of conductor support, apply arm cost for higher voltage involved and respective conductor cost according to voltage. Where circuits are of different ownership, the utility transferring arms and its own circuit will apply both costs, and the utility transferring conductors only will apply double the specified conductor price.

22. Dead ends - on arm or direct to pole, per each dead end, any conductor size:	
(a) 0-750 volt secondary.....	168
(b) 750-7,500 volt primary.....	328
(c) 7.6-115kv - 1 or 2 strain insulators.....	412
(d) 7.6-115kv - 3 or 4 strain insulators.....	418
(e) 7.6-115kv - 5 or 6 strain insulators.....	446

NOTE: For dead ends on arm, add the cost of appropriate arm listed under Item 21. Add Item 24 for bonding cost

AUTHORIZED COSTS

ITEM

23. Changing type of construction – horizontal to vertical, triangular to horizontal, vertical to horizontal, etc.: (labor cost only - additional arms are extra)	
(a) Horizontal to vertical 7.5-115kv single arm, per pole.....	684
(a1) Triangular to Horizontal 7.5-115kv single arm, per pole	848
(a2) Vertical to Horizontal 7.5-115kv single arm, per pole	1292
(b) Horizontal to vertical 7.5-115kv double arm, per pole.....	740
(b1) Triangular to Horizontal 7.5-115kv double arm, per pole	848
(b2) Vertical to Horizontal 7.5-115kv double arm, per pole	1292
NOTE: Cost of rebonding is included in above prices.	
24. Bonding, per pole:	
(a) Single circuit - all voltages.....	207
(b) Double circuit - all voltages.....	376
25. Ground wire, including protective covering.....	340
26. Pole top switches (oil or open air): Price by field agreement (cost to be estimated and agreed to by field engineers)	
27. Racks and brackets, secondary:	
(a) Rack, 3 or 4 wire - direct to pole.....	175
plus conductor, each.....	100
(b) Bracket, triplex.....	112
plus triplex conductor.....	186
NOTE: If rack or bracket supports service drops only, omit specified line conductor cost and add Item 28. If service drops originate from line conductors, Item 28 is additional	
28. Service conductors - transferring, raising or lowering:	
(a) #4 conductor or smaller.....	46
(b) Larger than #4 conductor.....	70
(c) Triplex service conductors.....	136
29. Transformers, including cutouts, heel arm, and lightning arresters (hanger arms or brackets are extra):	
(a) 1-1/2 to 25 kva, each.....	1521
(b) 30 to 167 kva, each.....	2183
(c) Mounting brackets, two transformers.....	268
NOTE: If two transformers are on the same arm, deduct \$99 from the total; if three transformers are on the same arm, deduct \$246 from the total.	
30. Capacitors and associated equipment:	
(a) Capacitor bank, switched.....	4285
(b) Capacitor bank, non-switched.....	2918
31. Street lights:	
(a) Center suspension type - span end.....	167
(b) Center suspension type - feed end.....	308
(c) Goose neck or bracket type - open wire.....	131
(d) Goose neck or bracket type - conduit on pole.....	288
(e) Mast arm type.....	415
(f) Pole top pin and insulator - single.....	32
(g) Pole top pin and insulator - double.....	41
32. Meter or time switch control box: Price by field agreement	
33. Supports:	
(a) Single insulator, fiberglass.....	208
(b) Double insulator, fiberglass.....	208
(c) Triple insulator, fiberglass.....	88
(d) Pole top insulator, fiberglass.....	208
34. Support, single deadend, fiberglass.....	208

ITEM

35. Insulator mounting brackets:
(a) Single (vertical or horizontal)..... 68
(b) Double (vertical)..... 181
(c) Single, over 40kv..... 425

36. Steel crossarm, squirrel cage bracket, including insulator:
(a) Single..... 185
(b) Double..... 268

37. Double circuit side mount insulators (“Dreyfuss Sunburst”)..... 3509

38. Insulator assembly bracket for endarm mountings..... 388
NOTE: Refer to Item 21 for conductor cost

49. Transferring, raising, or lowering of power line equipment not listed:
Specify under this item number the nature thereof and the agreed cost.

**TRANSFER COSTS
COMMUNICATION CIRCUITS**

ITEM

75. Crossarms/Guardarms - transferring, raising, or lowering, per arm:
(a) Single..... 218
(b) Double..... 527

78. Drive hook with wedge grip unit (“P” tie), either single drop wire or multiple drop wire including conductor:
(a) Transferring, raising, or lowering drive hook with one wedge grip unit..... 25
(b) Transferring, raising, or lowering additional wedge grip units on same hook, each..... 22

79. Multiple distribution service wire on line pole..... 86

81. “C” rural wire (1 pair):
(a) “C” rural wire on line pole, each pair..... 36
(b) “C” rural wire on dead-end pole, each pair..... 38

82. Cable arm with one cable - transferring, raising, or lowering:
(a) Single wood arm..... 294
(b) Double wood arm..... 437
(c) Extension arm (“F” or Alley arm)..... 296
(d) Additional cable (on separate messenger) on same arm..... 93
NOTE: The above prices do not include cable terminals.

83. Cable attached direct to pole..... 111

84. Messenger reinforcing units:
(a) Reinforcing strap, each..... 38
(b) Reinforcing link, each..... 38

85. Messenger without cable - transferring, raising, or lowering: (See Item 82 for transfer of arms)
(a) Single wood arm..... 121
(b) Double wood arm..... 181
(c) Extension arm (“F” or Alley arm)..... 158
(d) Direct to pole..... 92

86. Messenger dead end, all sizes, with or without cable..... 164

87. Cable terminal transfer: (pole to pole, no splicing)
(a) Distribution cable terminal (25x - 50x)..... 110
(b) Feeder distribution interface..... 218
(c) Pole seat or balcony..... 178

AUTHORIZED COSTS

ITEM

88. Multiple distribution wire terminal transfer.....	79
89. Cable terminal replacement (cost to place new terminal and remove old terminal, including splicing due to replacement of pole at location to which existing terminal cannot be transferred) :	
(a) All types of terminals except Ready Access-25 Pair or less.....	707
(b) Ready Access-24 Pair or less.....	458
(c) Ready Access-24 Pair to 50 Pair.....	787
NOTE -When necessary to use multiple distribution stub, add the following to cost above;	
(d) Multiple distribution stub for Ready Access type.....	444

NOTE-Costs of drop and/or line pair rearrangements and cable transfer are not included in the above prices and are added only when cost of transfer is made applicable under the Routine. For replacement of terminals larger than 50 pair, the cost is to be billed under Item #109.

91. Cable splicing, average cost per splice, per pair:

(a) 18 pair.....	@ 3.27 per pair.....	227
(b) 25 pair.....	@ 3.28 per pair.....	250
(c) 50 pair.....	@ 2.66 per pair.....	301
(d) 100 pair.....	@ 2.66 per pair.....	434
(e) 200 Pair.....	@ 2.66 per pair.....	700
(f) 300 pair.....	@ 2.66 per pair.....	966
(g) 400 pair.....	@ 2.33 per pair.....	1100
(h) 600 pair.....	@ 2.25 per pair.....	1516
(i) 700 pair.....	@ 2.33 per pair.....	1799
(j) 800 pair.....	@ 2.33 per pair.....	2032
(k) 900 pair.....	@ 2.33 per pair.....	2265
(l) 1200 pair.....	@ 2.33 per pair.....	2963

***Splice enclosure disassemble/re-assemble cost of \$168.10 embedded in prices listed above.

***NOTE: if tow splices are required, then the above amounts are doubled, plus the cost of the cable needed to enable the splicing process. Installation costs will be called out separately. Section 1.2 to be utilized if costs exceed those called out above.

92. Cable risers, including pipe and molding, each:.....	309
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93. Underground and terminal facilities:

Where the location of a pole makes reconstruction of cable plant necessary, the engineer is to estimate the cost (exclusive of material) and include same under this item number in the billing.

94. Fiber Optic Splicing/Testing:

(a) FUSION	
(1) 24 strand.....	1990
(2) 48 strand.....	3469
(3) 60 strand.....	4197
(4) 72 strand.....	4912
(5) 96 strand.....	6544
(6) 144 strand.....	9108

96. Transfer Wireless Equipment:.....	6375
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97. Transfer meter circuit breaker box/disconnect box.....	1280
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109. Transferring, raising, or lowering of communication not listed:
Specify under this item number the nature thereof and agreed cost.

INSTALLATION COSTS
GUYS AND ANCHORS

ITEM

110. Guy wire, complete make-up:

- (a) Overhead, span, or arm guy..... 349
- (b) Anchguy..... 278
- (c) Cutting-in an insulator in existing guy..... 178
- (d) Attaching span guy to interset pole..... 171
- (e) Guy guards..... 36

NOTE: Where it is necessary to reattach the guy at pole or anchor end, due to cutting-in an insulator, the cost of relative Sub-Item 20 is to be added.

111. Anchors:

- (a) Expanding Plate (Hand Dig)..... 962
- (b) Expanding Plate (Truck Access)..... 519
- (c) PISA (Screw Anchor)..... 423
- (d) Hydraulically Driven (Mantaray)..... 415
- (e) Concreting an anchor..... 171
- (f) Sale of abandoned anchor to another utility – all sizes..... 80

NOTE: Actual size of anchor needs to be noted on JPA along with the appropriate item number for type. For existing anchors of an unknown type, use Item 111b. (The SCJPC recommends using a standard 1¼" anchor in all instances).

112. Sidewalk anchor fittings:

- (a) 2" pipe brace and fittings..... 166
- (b) 2-1/2" pipe brace and fittings..... 172
- (c) 3" pipe brace and fittings..... 194
- (d) Sale of abandoned pipe brace and fittings to another utility - all sizes..... 87

NOTE: For anchor and rod, include relative Item under 111. For guy wire, include relative Item under 110. For transfer of guy wire or sidewalk fitting see Item 20.

115. Heel/toe bracing pole:

- (a) With treated wood blocks, new pole..... 325
- (b) With treated wood blocks, existing pole..... 503

116. Breast blocking only, new or existing pole:

- (a) With treated wood block..... 180
- (b) With concrete block..... 234

119. Installation of special guy equipment not listed:
Specify under this item number the nature thereof and the agreed cost.

AUTHORIZED COSTS

INSTALLATION COSTS POWER CIRCUITS

ITEM

120. Crossarms, standard line (pins and insulators are extra):
These are costs for installation or attachment to existing
(For attachment to existing, use arm cost only)

	Arm	Plus Conductor	
		Each	Each
(a) 0-7.5kv single arm (includes service).....	223		92
(b) 0-7.5kv double arm.....	414		106
(c) 0-7.5kv double arm with reinforcing brackets.....	592		106
(d) 0-7.5kv sidearm - single.....	267		80
(e) 0-7.5kv sidearm - double.....	591		106
(f) 7.6-15kv single arm.....	232		173
(g) 7.6-15kv double arm.....	583		173
(h) 7.6-15kv sidearm - single.....	273		173
(i) 7.6-15kv sidearm - double.....	611		173
	Arm	16-34kv	66-115kv
(j) 16-115kv single arm.....	428	138	159
(k) 16-115kv double arm.....	625	151	159
(l) 16-115kv double arm with reinforcing brackets.....	725	151	159
(m) 16-115kv sidearm - single.....	364	174	159
(n) 16-115kv sidearm - double.....	714	151	159

NOTE: For dead end on arms, omit the specified conductor cost and add Item 123.

For Close Buck (Smith Corner) construction, the cost of installing corner arm bracing is extra by field Agreement. See Items 122 and 123 for insulator cost and Item 24 for bonding cost.

121. Pole top extensions, including arms (pins and insulators are extra):

	Extension Complete	Plus Conductor Each
(a) 6 or 7 ft. extension.....	979	105
(b) 8 or 9 ft. extension.....	492	84

NOTE: Price for extensions of other lengths to be by field agreement. Where existing conductors are Raised, apply specified conductor cost; the cost of raising pins and insulators in such cases shall not be included. See Item 122 for insulator cost and Item 24 for bonding cost.

122. Insulators, including pins and hardware:

(a) 0-7.5kv pin type, each.....	28
(b) 11 or 16kv pin type, each.....	65
(c) 34kv pin type, each.....	137
(d) 66kv pin type, each.....	190
(e) 11 and 16kv post type, each.....	110
(f) 34kv post type, each.....	124
(g) 66kv post type, each.....	450
(h) 34 to 115kv suspension (strain) type, each insulator.....	151

123. Dead ends, on arm or direct to pole, per each strain dead end:

(a) 0-750 volt secondary.....	47
(b) 750-7,500 volt primary.....	87
(c) 11 or 16kv - 1 strain insulator.....	73
(d) 11 or 16kv - 2 strain insulators.....	117
(e) 34kv - 4/0 conductor or smaller - 2 insulators.....	216
(f) 34kv - 4/0 conductor or smaller - 3 insulators.....	273
(g) 34kv - larger than 4/0 conductor - 3 insulators.....	242
(h) 66 to 115kv - 4/0 conductor or smaller - 4 insulators.....	391
(i) 66 to 115kv - larger than 4/0 conductor - 4 insulators.....	395

NOTE: Add \$44 for each additional insulator on items (c) to (d). Add \$94 for each additional insulator on items (e) to (f). Add \$111 for each additional insulator on item (g). Add \$152 for each additional insulator on item (h). Add \$169 for each additional insulator on item (i). See Item 120 for cost of arms.

ITEM

124. Racks and brackets, secondary:	
(a) Rack, 3 or 4 wire - direct to pole.....	102
plus conductor, each.....	82
(b) Bracket, Triplex.....	74
plus Triplex conductor.....	87
125. Secondary neutral ground assembly, complete.....	308
NOTE: This item is to be used only by those utilities that have executed agreements for the installation of grounds.	
126. Support:	
(a) Single insulator, fiberglass.....	157
(b) Double insulator, fiberglass.....	157
(c) Triple insulator, fiberglass.....	174
(d) Pole top insulator, fiberglass.....	157
127. Support, single dead end, fiberglass.....	157
128. Insulator mounting bracket:	
(a) Single (vertical or horizontal).....	319
(b) Double (vertical).....	285
(c) Single, over 40kv.....	651
129. Steel crossarm, squirrel cage bracket, including insulator:	
(a) Single.....	537
(b) Double.....	772
130. Double circuit side mount insulators ("Dreyfuss Sunburst").....	2252
131. Insulator assembly bracket for endarm mounting.....	453
132. Mounting bracket:	
(a) Two transformers.....	198
(b) Three transformers.....	513
NOTE: Refer to Item 120 for conductor cost.	
149. Installation of power line equipment not listed:	
Specify under this item number the nature thereof and the agreed cost.	

**INSTALLATION COSTS
COMMUNICATION CIRCUITS**

ITEM

160. Crossarms/Guard Arms: (For installation or attachment to existing with service wire only)	
(a) Single wood service or guard arm.....	188
(b) Double wood service or guard arm.....	263
(c) Attach to existing arm.....	No Charge
163. Drive hook with wedge grip unit ("P" tie), either single drop or multiple drop wire, including conductor:	
(a) Drive hook with one wedge grip unit.....	20
(b) Additional wedge grip units on same hook, each.....	12
164. Cable arm: (For installation or attachment to existing)	
(a) Single arm w/ one cable.....	205
(b) Double arm w/ one cable.....	278
(c) Extension arm ("F" or Alley arm) w/ one cable.....	238
(d) Additional cable (on separate messenger) on same arm.....	80
(e) Attach to existing cable arm.....	No Charge
165. Cable attached direct to interset pole, each.....	82

AUTHORIZED COSTS

ITEM

166. Messenger reinforcing units:	
(a) Reinforcing strap, each.....	36
(b) Reinforcing link, each.....	36
167. Messenger without cable:	
(a) Single arm.....	127
(b) Double arm.....	162
(c) Extension arm ("F" or Alley arm).....	131
(d) Direct to pole.....	93
(e) Additional messenger.....	67
168. Multiple distribution service wire attached to pole or crossarm.....	57
169. Protective covering - wood or plastic: (Box guard)	
Street light stds. (marbelite or metal), each location.....	52
NOTE: Billing is optional, depending on policy of utility.	
170. Bonding to secondary neutral ground, per pole.....	75

INSTALLATION COSTS FIBER OPTICS

171. Install Wireless Equipment:.....	7051
199. Installation of communication equipment not listed:	
Specify under this item number the nature thereof and the agreed cost.	