

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

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)*	1727	2159	2447	3023	3743	4607	5398	5830
2. Trenching or moving: (without supply)*	674	722	802					
3. Lowering or raising to grade (one operation) :	995	1133	1277	1706	2179	2535	3886	3062
4. Straightening in earth*:	857	1247	1006	1163	1510	1772	1832	1868
5. Removing from service:								
(a) Pulling.....per pole								805
*includes 1 hour pre-planning and engineering								
(b) Transporting.....per pole								251
(c) Topping Pole.....								287
*based on topping and lowering.								
(d) Disposal.....per pole								172
*effective 07/01/02								
6. Pole Stubbing (stub-size):								
(a) 8 ft. metal truss.....								400
(b) 10 ft. metal truss.....								538
(c) 11 ft. metal truss.....								802
(d) 12 ft. metal truss.....								804
(e) 13 ft. metal truss								1385
(f) 14 ft. metal truss.....								2064
(g) 15.5 ft. metal truss								2388
(h) additional metal trusses (all sizes).....								254
(i) Inaccessible to stubbing equipment.....								61
7. Intentionally left blank								
8. Semi-circular pole guards:								
(a) Installation.....								135
(b) Transferring.....								118
9. Hand Dig/Hand Removal								864
(a) Inaccessible to digging equipment								
(b) Accessible with Conflict-Must specify nature of conflict								
(c) Pole removal not accessible to removal equipment								
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 temporary repair.....								514
(b) Asphalt break and repair.....								354
(c) Cement saw cut break and repair. Based on 25 square feet.....								723
11. Joint Rights of Way: (By special agreement)								
12. Pole Inspections and Treatment								
(a) Visual Inspection.....								34
(b) Partial Dig.....								40
(c) Sound and Bore.....								34
(d) Full Treatment.....								52
(e) Reject.....								33
Note: May only be billed once every 5 years (Effective May 2011).								
(f) Re-inspection of reinforced poles (may only be billed once every 10 years, effective 06/01/2011).....								53

AUTHORIZED COSTS

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ITEM

13. Pole/anchor access obstructions:

- (a) Clearing poles in State Responsibility area..... 52
(Includes cost of contractor to perform activity and post Quality Control inspection)
- (b) Removal of vegetation to facilitate the placement/replacement/removal of a pole 199
- (c) All other by Special Agreement Section 1.2 such as landscape/hardscape restoration written estimate required.

14. Failure to Final JPA Administrative Fee (per pole cost)..... 192

15. Pole Marking

- (a) Tagging..... 36
- (b) Visibility Strips 34

16. Backhoe:

- (a) 2 hour minimum..... 282
- (b) Each additional hour (inclusive operator & truck)..... 137

17. Wood pole fiberglass wrap restoration:

- (a) Pole set in dirt (8 ft. standard)..... 1310
- (b) Pole set in asphalt (includes cost of \$140 for asphalt / 8 ft. standard)..... 1692
- (c) Pole set in concrete (includes cost of \$245 for concrete / 8 ft. standard)..... 1747
- (d) Additional foot exceeding 8 ft. standard..... 116

18. Mod pole material and installation:

- (a) 9'..... 4589
- (b) 14'..... 5276
- (c) 18'..... 5350

Prices established are from price list received from Pole Care 6-23-00

19. Cost for cut & kick :

- (a) Pole placement located on street without riser and/or equipment 1108
- (b) Pole placement located on street with riser and/or equipment..... 1397
- (c) Pole placement on rear property with or without riser and/or equipment not accessible to digging equipment..... 1742
(Note: Item 9 not to be used concurrently with item 19 A,B,C)

***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.

AUTHORIZED COSTS**(Costs incurred or shared under this schedule shall apply for work that is to be performed)**

**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'	1727	57.57	1439.17	719.58	479.72	359.79	287.83	239.86
35'	1727	49.34	1332.26	666.13	444.09	333.06	266.45	222.04
40'	2159	53.98	1619.25	809.63	539.75	404.81	323.85	269.88
45'	2159	47.98	1439.33	719.67	479.78	359.83	287.87	239.89
50'	2447	48.94	1517.14	758.57	505.71	379.29	303.43	252.86
55'	2447	44.49	1379.22	689.61	459.74	344.80	275.84	229.87
60'	3023	50.38	1612.27	806.13	537.42	403.07	322.45	268.71
65'	3023	46.51	1488.25	744.12	496.08	372.06	297.65	248.04
70'	3743	53.47	1764.56	882.28	588.19	441.14	352.91	294.09
75'	3743	49.91	1646.92	823.46	548.97	411.73	329.38	274.49
80'	4607	57.59	1957.98	978.99	652.66	489.49	391.60	326.33
85'	4607	54.20	1842.80	921.40	614.27	460.70	368.56	307.13
90'	5398	59.98	2099.22	1049.61	699.74	524.81	419.84	349.87
95'	5398	56.82	1988.74	994.37	662.91	497.18	397.75	331.46
100'	5830	58.30	2040.50	1020.25	680.17	510.13	408.10	340.08

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

**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'	674	22.47	561.67	280.83	187.22	140.42	112.33	93.61
35'	674	19.26	519.94	259.97	173.31	129.99	103.99	86.66
40'	722	18.05	541.50	270.75	180.50	135.38	108.30	90.25
45'	722	16.04	481.33	240.67	160.44	120.33	96.27	80.22
50'	802	16.04	497.24	248.62	165.75	124.31	99.45	82.87
55'	802	14.58	452.04	226.02	150.68	113.01	90.41	75.34

AUTHORIZED COSTS**(Costs incurred or shared under this schedule shall apply for work that is to be performed)**

**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'	995	33.17	829.17	414.58	276.39	207.29	165.83	138.19
35'	995	28.43	767.57	383.79	255.86	191.89	153.51	127.93
40'	1133	28.33	849.75	424.88	283.25	212.44	169.95	141.63
45'	1133	25.18	755.33	377.67	251.78	188.83	151.07	125.89
50'	1277	25.54	791.74	395.87	263.91	197.94	158.35	131.96
55'	1277	23.22	719.76	359.88	239.92	179.94	143.95	119.96
60'	1706	28.43	909.87	454.93	303.29	227.47	181.97	151.64
65'	1706	26.25	839.88	419.94	279.96	209.97	167.98	139.98
70'	2179	31.13	1027.24	513.62	342.41	256.81	205.45	171.21
75'	2179	29.05	958.76	479.38	319.59	239.69	191.75	159.79
80'	2535	31.69	1077.38	538.69	359.13	269.34	215.48	179.56
85'	2535	29.82	1014.00	507.00	338.00	253.50	202.80	169.00
90'	3886	43.18	1511.22	755.61	503.74	377.81	302.24	251.87
95'	3886	40.91	1431.68	715.84	477.23	357.92	286.34	238.61
100'	3062	30.62	1071.70	535.85	357.23	267.93	214.34	178.62

AUTHORIZED COSTS**(Costs incurred or shared under this schedule shall apply for work that is to be performed)**

**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'	857	28.57	714.17	357.08	238.06	178.54	142.83	119.03
35'	857	24.49	661.11	330.56	220.37	165.28	132.22	110.19
40'	1247	31.18	935.25	467.63	311.75	233.81	187.05	155.88
45'	1247	27.71	831.33	415.67	277.11	207.83	166.27	138.56
50'	1006	20.12	623.72	311.86	207.91	155.93	124.74	103.95
55'	1006	18.29	567.02	283.51	189.01	141.75	113.40	94.50
60'	1163	19.38	620.27	310.13	206.76	155.07	124.05	103.38
65'	1163	17.89	572.55	286.28	190.85	143.14	114.51	95.43
70'	1510	21.57	711.86	355.93	237.29	177.96	142.37	118.64
75'	1510	20.13	664.40	332.20	221.47	166.10	132.88	110.73
80'	1772	22.15	753.10	376.55	251.03	188.28	150.62	125.52
85'	1772	20.85	708.80	354.40	236.27	177.20	141.76	118.13
90'	1832	20.36	712.44	356.22	237.48	178.11	142.49	118.74
95'	1832	19.28	674.95	337.47	224.98	168.74	134.99	112.49
100'	1868	18.68	653.80	326.90	217.93	163.45	130.76	108.97

**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.....	218
(b) Sidewalk anchor guys (pipe brace and fittings, all sizes).....	265
NOTE: When necessary to relocate a guy insulator, add the following to above cost:	
(c) Insulator relocation.....	150

**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:

	Transfer Arm	Transfer Conductor (splicing required)	Transfer Conductor (no splicing)
(a) 0-7.5kv single arm (includes service arm).....	533	274	187
(b) 0-7.5kv double arm.....	1022	274	187
(c) 0-7.5kv double arm with reinforcing bracket.....	1296	274	187
(d) 0-7.5kv sidearm - single.....	209	146	187
(e) 0-7.5kv sidearm - double.....	1468	274	187
(f) 7.6-15kv single arm.....	180	342	187
(g) 7.6-15kv double arm.....	338	342	187
(h) 7.6-15kv sidearm - single.....	338	342	187
(i) 7.6-15kv sidearm - double.....	585	342	187
(j) 16-34kv single arm.....	440	251	187
(k) 16-34kv double arm.....	2131	274	187
(l) 16-34kv double arm with reinforcing bracket.....	2548	274	187
(m) 16-34kv sidearm - single.....	442	342	187
(n) 16-34kv sidearm - double.....	2548	274	187
(o) 66-115kv single arm.....	516	337	187
(p) 66-115kv double arm.....	722	337	187
(q) 66-115kv steel arm.....	312	188	187

NOTE: 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.

22. Dead ends - on arm or direct to pole, per each dead end, any conductor size:

(a) 0-750 volt secondary.....	302
(b) 750-7,500 volt primary.....	346
(c) 7.6-115kv - 1 or 2 strain insulators.....	1440
(d) 7.6-115kv - 3 or 4 strain insulators.....	1555
(e) 7.6-115kv - 5 or 6 strain insulators.....	1461

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

AUTHORIZED COSTS

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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.....	2102
(a1) Triangular to Horizontal 7.5-115kv single arm, per pole	2102
(a2) Vertical to Horizontal 7.5-115kv single arm, per pole	2102
(b) Horizontal to vertical 7.5-115kv double arm, per pole.....	2102
(b1) Triangular to Horizontal 7.5-115kv double arm, per pole	2102
(b2) Vertical to Horizontal 7.5-115kv double arm, per pole	2102
NOTE: Cost of rebonding is included in above prices.	
24. Bonding, per pole:	
(a) Single circuit - all voltages.....	317
(b) Double circuit - all voltages.....	663
25. Ground wire, including protective covering.....	605
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.....	202
plus conductor, each.....	144
(b) Bracket, triplex.....	158
plus triplex conductor.....	144
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.....	187
(b) Larger than #4 conductor.....	274
(c) Triplex service conductors.....	187
29. Transformers, including cutouts, heel arm, and lightning arresters (hanger arms or brackets are extra):	
(a) 1-1/2 to 25 kva, each.....	2786
(b) 30 to 167 kva, each.....	2786
(c) Mounting brackets, two transformers.....	417
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.....	3023
(b) Capacitor bank, non-switched.....	2015
31. Street lights:	
(a) Center suspension type - span end.....	192
(b) Center suspension type - feed end.....	374
(c) Goose neck or bracket type - open wire.....	167
(d) Goose neck or bracket type - conduit on pole.....	504
(e) Mast arm type.....	504
(f) Pole top pin and insulator - single.....	230
(g) Pole top pin and insulator - double.....	230
32. Meter or time switch control box: Price by field agreement	
33. Supports:	
(a) Single insulator, fiberglass.....	230
(b) Double insulator, fiberglass.....	230
(c) Triple insulator, fiberglass.....	230
(d) Pole top insulator, fiberglass.....	230
34. Support, single deadend, fiberglass.....	230

AUTHORIZED COSTS

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ITEM

35. Insulator mounting brackets:	
(a) Single (vertical or horizontal).....	317
(b) Double (vertical).....	317
(c) Single, over 40kv.....	523
36. Steel crossarm, squirrel cage bracket, including insulator:	
(a) Single.....	231
(b) Double.....	334
37. Double circuit side mount insulators ("Dreyfuss Sunburst").....	4172
38. Insulator assembly bracket for endarm mountings.....	302
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

74. Semi-circular cable guard ("U" guard): transferring.....	87
75. Crossarms/Guardarms - transferring, raising, or lowering, per arm:	
(a) Single.....	223
(b) Double.....	425
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.....	43
(b) Transferring, raising, or lowering additional wedge grip units on same hook, each.....	39
79. Multiple distribution service wire on line pole.....	90
81. "C" rural wire (1 pair):	
(a) "C" rural wire in line pole, each pair.....	60
(b) "C" rural wire on dead-end pole, each pair.....	76
82. Cable arm with one cable - transferring, raising, or lowering:	
(a) Single wood arm.....	252
(b) Double wood arm.....	355
(c) Extension arm ("F" or Alley arm).....	314
(d) Additional cable (on separate messenger) on same arm.....	123
NOTE: The above prices do not include cable terminals.	
83. Cable attached direct to pole.....	118
84. Messenger reinforcing units:	
(a) Reinforcing strap, each.....	52
(b) Reinforcing link, each.....	58
85. Messenger without cable - transferring, raising, or lowering: (See Item 82 for transfer of arms)	
(a) Single wood arm.....	101
(b) Double wood arm.....	149
(c) Extension arm ("F" or Alley arm).....	196
(d) Direct to pole.....	153
86. Messenger dead end, all sizes, with or without cable.....	130
87. Cable terminal transfer: (pole to pole, no splicing)	
(a) Distribution cable terminal (25x - 50x).....	109
(b) Feeder distribution interface.....	192
(c) Pole seat or balcony.....	223

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

ITEM

88. Multiple distribution wire terminal transfer	85
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.....	647
(b) Ready Access-24 Pair or less.....	463
(c) Ready Access-24 Pair to 50 Pair.....	699
NOTE -When necessary to use multiple distribution stub, add the following to cost above;	
(d) Multiple distribution stub for Ready Access type.....	466

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..... @ 18.67 per pair.....	336
(b) 25 pair..... @ 13.36 per pair.....	334
(c) 50 pair..... @ 6.82 per pair.....	341
(d) 100 pair..... @ 5.88 per pair.....	588
(e) 200 Pair..... @ 4.40 per pair.....	880
(f) 300 pair..... @ 3.97 per pair.....	1190
(g) 400 pair..... @ 3.43 per pair.....	1373
(h) 600 pair..... @ 3.29 per pair.....	1972
(i) 700 pair..... @ 3.25 per pair.....	2276
(j) 800 pair..... @ 3.26 per pair.....	2604
(k) 900 pair..... @ 3.30 per pair.....	2970
(l) 1200 pair..... @ 3.22 per pair.....	3868

***Splice enclosure disassemble/re-assemble cost embedded in prices listed above.

***NOTE: if two 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:	314
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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.....	2041
(2) 48 strand.....	3386
(3) 60 strand.....	4287
(4) 72 strand.....	5018
(5) 96 strand.....	6557
(6) 144 strand.....	9183
(7) 288 strand.....	16962
(8) Any size above and beyond by special agreement Section 1.2	

96. Intentionally left blank

97. Transfer meter circuit breaker box/disconnect box	1057
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109. Transferring, raising, or lowering of wireless equipment or communication equipment not listed:

Specify under this item number the nature thereof and the agreed cost under Section 1.2.

**INSTALLATION COSTS
GUYS AND ANCHORS**

ITEM

110. Guy wire, complete make-up:

(a) Overhead, span, or arm guy.....	313
(b) Anchor guy.....	254
(c) Cutting-in an insulator in existing guy.....	209
(d) Attaching span guy to interset pole.....	224
(e) Guy guards.....	60

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).....	1011
(b) Expanding Plate (Truck Access).....	512
(c) PISA (Screw Anchor).....	449
(d) Hydraulically Driven (Mantaray).....	425
(e) Concreting an anchor.....	255
(f) Sale of abandoned anchor to another utility – all sizes.....	368
(g) Existing Anchor Purchase (Rear property).....	636
(h) Existing Anchor Purchase (Street/alley).....	330

NOTE: Actual size of anchor needs to be noted on JPA along with the appropriate item number for type.

Items 111 (g), and (h) are calculated at 70% of Item 111 (a) and (b) respectively.

112. Sidewalk anchor fittings:

(a) 2" pipe brace and fittings.....	195
(b) 2-1/2" pipe brace and fittings.....	195
(c) 3" pipe brace and fittings.....	214
(d) Sale of abandoned pipe brace and fittings to another utility - all sizes.....	162

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.....	355
(b) With treated wood blocks, existing pole.....	550
(c) With fiberglass blocks, new pole.....	435
(d) With fiberglass blocks, existing pole.....	663

116. Breast blocking only, new or existing pole:

(a) With treated wood block.....	274
(b) With concrete block.....	315
(c) With fiberglass block.....	430

119. Installation of special guy equipment not listed:

Specify under this item number the nature thereof and the agreed cost (Section 1.2).

AUTHORIZED COSTS

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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)

	Wooden Arm	CF Arm	Plus Conductor Each	
(a) 0-7.5kv single arm (includes service).....	335	474	187	
(b) 0-7.5kv double arm.....	622	924	255	
(c) 0-7.5kv double arm with reinforcing brackets.....	1010	1357	255	
(d) 0-7.5kv sidearm - single.....	305		128	
(e) 0-7.5kv sidearm - double.....	624	981	274	
(f) 7.6-15kv single arm.....	273		196	
(g) 7.6-15kv double arm.....	611		196	
(h) 7.6-15kv sidearm - single.....	313		196	
(i) 7.6-15kv sidearm - double.....	666		196	
	Wooden Arm	CF Arm	16-34KV	66-115KV
(j) 16-115kv single arm.....	571	753	174	123
(k) 16-115kv double arm.....	1057	1157	255	123
(l) 16-115kv double arm with reinforcing brackets.....	1467	1567	255	123
(m) 16-115kv sidearm - single.....	434		196	184
(n) 16-115kv sidearm - double.....	829	1185	255	123

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.

	Extension Complete	Plus Conductor Each
121. Pole top extensions, including arms (pins and insulators are extra):		
(a) 6 or 7 ft. extension.....	707	255
(b) 8 or 9 ft. extension.....	824	255

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.....	113
(b) 11 or 16kv pin type, each.....	86
(c) 34kv pin type, each.....	390
(d) 66kv pin type, each.....	224
(e) 11 and 16kv post type, each.....	126
(f) 34kv post type, each.....	411
(g) 66kv post type, each.....	433
(h) 34 to 115kv suspension (strain) type, each insulator.....	167

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

ITEM

123. Dead ends, on arm or direct to pole, per each strain dead end:	
(a) 0-750 volt secondary.....	137
(b) 750-7,500 volt primary.....	161
(c) 11 or 16kv - 1 strain insulator.....	79
(d) 11 or 16kv - 2 strain insulators.....	141
(e) 34kv - 4/0 conductor or smaller - 2 insulators.....	275
(f) 34kv - 4/0 conductor or smaller - 3 insulators.....	300
(g) 34kv - larger than 4/0 conductor - 3 insulators.....	303
(h) 66 to 115kv - 4/0 conductor or smaller - 4 insulators.....	587
(i) 66 to 115kv - larger than 4/0 conductor - 4 insulators.....	609
(j) 750-7500 volt primary silicone insulators.....	174
(k) 34KV - silicone insulators.....	235
NOTE: Add \$70 for each additional insulator on items (c) to (d). Add \$127 for each additional insulator on items (e) to (f). Add \$143 for each additional insulator on item (g). Add \$183 for each additional insulator on item (h). Add \$199 for each additional insulator on item (i). See Item 120 for cost of arms.	
124. Racks and brackets, secondary:	
(a) Rack, 3 or 4 wire - direct to pole.....	176
plus conductor, each.....	144
(b) Bracket, Triplex.....	137
plus Triplex conductor.....	144
125. Ground assembly, complete.....	499
NOTE: For secondary neutral ground, 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.....	213
(b) Double insulator, fiberglass.....	255
(c) Triple insulator, fiberglass.....	178
(d) Pole top insulator, fiberglass.....	207
127. Support, single dead end, fiberglass.....	221
128. Insulator mounting bracket:	
(a) Single (vertical or horizontal).....	272
(b) Double (vertical).....	272
(c) Single, over 40kv.....	738
129. Steel crossarm, squirrel cage bracket, including insulator:	
(a) Single.....	550
(b) Double.....	491
130. Double circuit side mount insulators ("Dreyfuss Sunburst").....	2308
131. Insulator assembly bracket for endarm mounting.....	336
132. Mounting bracket:	
(a) Two transformers.....	431
(b) Three transformers.....	809
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.	

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

INSTALLATION COSTS COMMUNICATION CIRCUITS

ITEM

159. Semi-circular cable guard ("U" guard): installation.....	85
160. Crossarms: (For installation or attachment to existing with service wire only)	
(a) Single wood service arm.....	173
(b) Double wood service arm.....	251
(c) Composite Fiberglass arm.....	233
(d) Attach to existing arm.....	No Charge
161. Guard Arms: (For installation or attachment to existing with service wire only)	
(a) Single wood service arm.....	187
(b) Double wood service arm.....	265
(c) Composite Fiberglass arm.....	246
(d) 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.....	42
(b) Additional wedge grip units on same hook, each.....	35
164. Cable arm: (For installation or attachment to existing)	
	Wooden CF
(a) Single arm w/ one cable.....	190 190
(b) Double arm w/ one cable.....	269 269
(c) Extension arm ("F" or Alley arm) w/ one cable.....	197 197
(d) Additional cable (on separate messenger) on same arm.....	160
(e) Attach to existing cable arm.....	No Charge
165. Cable attached direct to interset pole, each.....	104
166. Messenger reinforcing units:	
(a) Reinforcing strap, each.....	57
(b) Reinforcing link, each.....	63
167. Messenger without cable:	
(a) Single arm.....	145
(b) Double arm.....	147
(c) Extension arm ("F" or Alley arm).....	139
(d) Direct to pole.....	104
(e) Additional messenger.....	92
168. Multiple distribution service wire attached to pole or arms.....	56
169. Protective covering - wood or plastic: (Box guard)	
Street light stds. (marbelite or metal), each location.....	69
NOTE: Billing is optional, depending on policy of utility.	
170. Bonding to secondary neutral ground, per pole.....	81
171. Intentionally left blank	
199. Installation of wireless equipment or communication equipment not listed:	
Specify under this item number the nature thereof and the agreed cost under Section 1.2.	