

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)*	2470	3094	3406	3711	6118	6566	6977	7202
2. Trenching or moving: (without supply)*	872	940	1442					
3. Lowering or raising to grade (one operation) :	939	1041	1292	1428	1583	1810	1951	1988
4. Straightening in earth*:	866	917	986	1472	1374	1551	1551	2763
5. Removing from service:								
(a) Pulling.....per pole								931
*includes 1 hour pre-planning and engineering								
(b) Transporting.....per pole								412
(c) Topping Pole.....								801
*based on cut and lowering of pole top								
(d) Disposal.....per pole								735
*effective 07/01/02								
(e) Lowering.....per pole								581
*for use only with LTD in conjunction with item 19 cut and kick *Added April 2013								
(f) Removal of steel truss (any size)								957
6. Pole Stubbing (stub-size):								
(a) 8 ft. metal truss.....								1273
(b) 10 ft. metal truss.....								988
(c) 11 ft. metal truss.....								1318
(d) 12 ft. metal truss.....								1083
(e) 13 ft. metal truss								1648
(f) 14 ft. metal truss.....								2146
(g) 15.5 ft. metal truss								2308
(h) Additional metal trusses (all sizes).....								773
(i) Inaccessible to stubbing equipment.....								1882
7. Intentionally left blank								
8. Semi-circular pole guards:								
(a) Installation.....								158
(b) Transferring.....								118
9. Hand Dig/Hand Removal								1297
(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.....								1203
(b) Asphalt break and repair.....								1170
(c) Cement saw cut break and repair. Based on 25 square feet.....								932
11. Joint Rights of Way: (By special agreement)								
12. Pole Inspections and Treatment								
(a) Reserved for future use.....								
(b) Partial Dig.....								52
(c) Sound and Bore.....								46
(d) Full Treatment.....								63
(e) Reject.....								49
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).....								70

AUTHORIZED COSTS

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ITEM

13. Pole/anchor access obstructions:

- (a) Clearing poles in State Responsibility area..... 278
(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 303
- (c) All other by Special Agreement Section 1.2 such as landscape/hardscape restoration written estimate required.
- (d) Traffic Control (By Special Agreement Section 1.2)

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

- (a) Including correction of records 251
- (b) Field verification only 110

15. Pole Marking

- (a) Tagging..... 43
- (b) Visibility Strips 42

16. Backhoe:

- (a) 2 hour minimum..... 252
- (b) Each additional hour (inclusive operator & truck)..... 158

17. Wood pole fiberglass wrap restoration:

- (a) Pole set in dirt (8 ft. standard)..... 1810
- (b) Pole set in asphalt (includes cost of \$140 for asphalt / 8 ft. standard)..... 2427
- (c) Pole set in concrete (includes cost of \$245 for concrete / 8 ft. standard)..... 2428
- (d) Additional foot exceeding 8 ft. standard..... 116

18. Mod pole material and installation:

- (a) 9'..... 5635
- (b) 14'..... 6411
- (c) 18'..... 6740

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 1946
- (b) Pole placement located on street with riser and/or equipment..... 2194
- (c) Pole placement on rear property with or without riser and/or equipment not accessible to digging equipment..... 3057
(Note: Item 9 not to be used concurrently with item 19 A,B,C)
(Note: Item 19 includes pulling of butt 5(a))

***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'	2470	82.33	2058.33	1029.17	686.11	514.58	411.67	343.06
35'	2470	70.57	1905.43	952.71	635.14	476.36	381.09	317.57
40'	3094	77.35	2320.50	1160.25	773.50	580.13	464.10	386.75
45'	3094	68.76	2062.67	1031.33	687.56	515.67	412.53	343.78
50'	3406	68.12	2111.72	1055.86	703.91	527.93	422.34	351.95
55'	3406	61.93	1919.75	959.87	639.92	479.94	383.95	319.96
60'	3711	61.85	1979.20	989.60	659.73	494.80	395.84	329.87
65'	3711	57.09	1826.95	913.48	608.98	456.74	365.39	304.49
70'	6118	87.40	2884.20	1442.10	961.40	721.05	576.84	480.70
75'	6118	81.57	2691.92	1345.96	897.31	672.98	538.38	448.65
80'	6566	82.08	2790.55	1395.28	930.18	697.64	558.11	465.09
85'	6566	77.25	2626.40	1313.20	875.47	656.60	525.28	437.73
90'	6977	77.52	2713.28	1356.64	904.43	678.32	542.66	452.21
95'	6977	73.44	2570.47	1285.24	856.82	642.62	514.09	428.41
100'	7202	72.02	2520.70	1260.35	840.23	630.18	504.14	420.12

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'	872	29.07	726.67	363.33	242.22	181.67	145.33	121.11
35'	872	24.91	672.69	336.34	224.23	168.17	134.54	112.11
40'	940	23.50	705.00	352.50	235.00	176.25	141.00	117.50
45'	940	20.89	626.67	313.33	208.89	156.67	125.33	104.44
50'	1442	28.84	894.04	447.02	298.01	223.51	178.81	149.01
55'	1442	26.22	812.76	406.38	270.92	203.19	162.55	135.46

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'	939	31.30	782.50	391.25	260.83	195.63	156.50	130.42
35'	939	26.83	724.37	362.19	241.46	181.09	144.87	120.73
40'	1041	26.03	780.75	390.38	260.25	195.19	156.15	130.13
45'	1041	23.13	694.00	347.00	231.33	173.50	138.80	115.67
50'	1292	25.84	801.04	400.52	267.01	200.26	160.21	133.51
55'	1292	23.49	728.22	364.11	242.74	182.05	145.64	121.37
60'	1428	23.80	761.60	380.80	253.87	190.40	152.32	126.93
65'	1428	21.97	703.02	351.51	234.34	175.75	140.60	117.17
70'	1583	22.61	746.27	373.14	248.76	186.57	149.25	124.38
75'	1583	21.11	696.52	348.26	232.17	174.13	139.30	116.09
80'	1810	22.63	769.25	384.63	256.42	192.31	153.85	128.21
85'	1810	21.29	724.00	362.00	241.33	181.00	144.80	120.67
90'	1951	21.68	758.72	379.36	252.91	189.68	151.74	126.45
95'	1951	20.54	718.79	359.39	239.60	179.70	143.76	119.80
100'	1988	19.88	695.80	347.90	231.93	173.95	139.16	115.97

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'	866	28.87	721.67	360.83	240.56	180.42	144.33	120.28
35'	866	24.74	668.06	334.03	222.69	167.01	133.61	111.34
40'	917	22.93	687.75	343.88	229.25	171.94	137.55	114.63
45'	917	20.38	611.33	305.67	203.78	152.83	122.27	101.89
50'	986	19.72	611.32	305.66	203.77	152.83	122.26	101.89
55'	986	17.93	555.75	277.87	185.25	138.94	111.15	92.62
60'	1472	24.53	785.07	392.53	261.69	196.27	157.01	130.84
65'	1472	22.65	724.68	362.34	241.56	181.17	144.94	120.78
70'	1374	19.63	647.74	323.87	215.91	161.94	129.55	107.96
75'	1374	18.32	604.56	302.28	201.52	151.14	120.91	100.76
80'	1551	19.39	659.18	329.59	219.73	164.79	131.84	109.86
85'	1551	18.25	620.40	310.20	206.80	155.10	124.08	103.40
90'	1551	17.23	603.17	301.58	201.06	150.79	120.63	100.53
95'	1551	16.33	571.42	285.71	190.47	142.86	114.28	95.24
100'	2763	27.63	967.05	483.53	322.35	241.76	193.41	161.18

**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.....	283
(b) Sidewalk anchor guys (pipe brace and fittings, all sizes).....	398
NOTE: When necessary to relocate a guy insulator, add the following to above cost:	
(c) Insulator relocation.....	225

**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).....	407	338	228
(b) 0-7.5kv double arm.....	791	338	228
(c) 0-7.5kv double arm with reinforcing bracket.....	999	338	228
(d) 0-7.5kv sidearm - single.....	261	391	261
(e) 0-7.5kv sidearm - double.....	1088	338	228
(f) 7.6-15kv single arm.....	261	652	522
(g) 7.6-15kv double arm.....	522	652	522
(h) 7.6-15kv sidearm - single.....	522	652	522
(i) 7.6-15kv sidearm - double.....	913	652	522
(j) 16-34kv single arm.....	1130	468	358
(k) 16-34kv double arm.....	1432	468	358
(l) 16-34kv double arm with reinforcing bracket.....	1714	468	358
(m) 16-34kv sidearm - single.....	652	652	522
(n) 16-34kv sidearm - double.....	1779	468	358
(o) 66-115kv single arm.....	783	652	522
(p) 66-115kv double arm.....	1044	652	522
(q) 66-115kv steel arm.....	1090	652	522

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.....	222
(b) 750-7,500 volt primary.....	440
(c) 7.6-115kv - 1 or 2 strain insulators.....	1139
(d) 7.6-115kv - 3 or 4 strain insulators.....	1198
(e) 7.6-115kv - 5 or 6 strain insulators.....	1198

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.....	2064
(a1) Triangular to Horizontal 7.5-115kv single arm, per pole	1789
(a2) Vertical to Horizontal 7.5-115kv single arm, per pole	2154
(b) Horizontal to vertical 7.5-115kv double arm, per pole.....	2070
(b1) Triangular to Horizontal 7.5-115kv double arm, per pole	1789
(b2) Vertical to Horizontal 7.5-115kv double arm, per pole	2154
NOTE: Cost of rebonding is included in above prices.	
24. Bonding, per pole:	
(a) Single circuit - all voltages.....	360
(b) Double circuit - all voltages.....	590
25. Ground wire, including protective covering.....	510
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.....	300
plus conductor, each.....	205
(b) Bracket, triplex.....	213
plus triplex conductor.....	205
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.....	130
(b) Larger than #4 conductor.....	207
(c) Triplex service conductors.....	162
29. Transformers, including cutouts, heel arm, and lightning arresters (hanger arms or brackets are extra):	
(a) 1-1/2 to 25 kva, each.....	2490
(b) 30 to 167 kva, each.....	2751
(c) Mounting brackets, two transformers.....	298
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.....	4701
(b) Capacitor bank, non-switched.....	2612
31. Street lights:	
(a) Center suspension type - span end.....	1177
(b) Center suspension type - feed end.....	1320
(c) Goose neck or bracket type - open wire.....	1177
(d) Goose neck or bracket type - conduit on pole.....	536
(e) Mast arm type.....	627
(f) Pole top pin and insulator - single.....	143
(g) Pole top pin and insulator - double.....	155
32. Meter or time switch control box: Price by field agreement	
33. Supports:	
(a) Single insulator, fiberglass.....	239
(b) Double insulator, fiberglass.....	239
(c) Triple insulator, fiberglass.....	239
(d) Pole top insulator, fiberglass.....	239
34. Support, single dead end, fiberglass.....	239

AUTHORIZED COSTS

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ITEM

35. Insulator mounting brackets:

(a) Single (vertical or horizontal)..... 295

(b) Double (vertical)..... 360

(c) Single, over 40kv..... 783

36. Steel crossarm, squirrel cage bracket, including insulator:

(a) Single..... 352

(b) Double..... 509

37. Double circuit side mount insulators (“Dreyfuss Sunburst”)..... 6263

38. Insulator assembly bracket for endarm mountings..... 679

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..... 205

75. Crossarms/Guardarms - transferring, raising, or lowering, per arm:

(a) Single..... 247

(b) Double..... 259

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..... 54

(b) Transferring, raising, or lowering additional wedge grip units on same hook, each..... 51

79. Multiple distribution service wire on line pole..... 97

81. “C” rural wire (1 pair):

(a) “C” rural wire in line pole, each pair..... 72

(b) “C” rural wire on dead-end pole, each pair..... 77

82. Cable arm with one cable - transferring, raising, or lowering:

(a) Single wood arm..... 361

(b) Double wood arm..... 399

(c) Extension arm (“F” or Alley arm)..... 393

(d) Additional cable (on separate messenger) on same arm..... 331

NOTE: The above prices do not include cable terminals.

83. Cable attached direct to pole..... 195

84. Messenger reinforcing units:

(a) Reinforcing strap, each..... 179

(b) Reinforcing link, each..... 177

85. Messenger without cable - transferring, raising, or lowering: (See Item 82 for transfer of arms)

(a) Single wood arm..... 207

(b) Double wood arm..... 243

(c) Extension arm (“F” or Alley arm)..... 236

(d) Direct to pole..... 246

86. Messenger dead end, all sizes, with or without cable..... 202

87. Cable terminal transfer: (pole to pole, no splicing)

(a) Distribution cable terminal (25x - 50x)..... 208

(b) Feeder distribution interface..... 292

(c) Pole seat or balcony..... 294

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.....	169
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.....	561
(b) Ready Access-24 Pair or less.....	470
(c) Ready Access-24 Pair to 50 Pair.....	595
NOTE -When necessary to use multiple distribution stub, add the following to cost above;	
(d) Multiple distribution stub for Ready Access type.....	412

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..... @ 19.06 per pair.....	343
(b) 25 pair..... @ 13.28 per pair.....	332
(c) 50 pair..... @ 7.66 per pair.....	383
(d) 100 pair..... @ 5.79 per pair.....	579
(e) 200 Pair..... @ 4.02 per pair.....	803
(f) 300 pair..... @ 3.63 per pair.....	1088
(g) 400 pair..... @ 3.09 per pair.....	1237
(h) 600 pair..... @ 2.95 per pair.....	1769
(i) 700 pair..... @ 2.92 per pair.....	2045
(j) 800 pair..... @ 2.97 per pair.....	2375
(k) 900 pair..... @ 3.03 per pair.....	2727
(l) 1200 pair..... @ 3.00 per pair.....	3601

***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:.....	283
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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. (Section 1.2 by special agreement)

94. Fiber Optic Splicing/Testing:

(a) FUSION	
(1) 24 strand.....	1384
(2) 48 strand.....	2082
(3) 60 strand.....	2803
(4) 72 strand.....	3152
(5) 96 strand.....	4038
(6) 144 strand.....	5451
(7) 288 strand.....	9968
(8) Any size above and beyond by special agreement Section 1.2	

96. Intentionally left blank

97. Transfer meter circuit breaker box/disconnect box.....	883
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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.....	394
(b) Anchor guy.....	371
(c) Cutting-in an insulator in existing guy.....	335
(d) Attaching span guy to interset pole.....	325
(e) Guy guards.....	251

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).....	974
(b) Expanding Plate (Truck Access).....	696
(c) PISA (Screw Anchor).....	696
(d) Hydraulically Driven (Mantaray).....	676
(e) Concreting an anchor.....	337
(f) Sale of abandoned anchor to another utility – all sizes.....	210
(g) Existing Anchor Purchase (Rear property).....	512
(h) Existing Anchor Purchase (Street/alley).....	287

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.....	297
(b) 2-1/2" pipe brace and fittings.....	303
(c) 3" pipe brace and fittings.....	299
(d) Sale of abandoned pipe brace and fittings to another utility - all sizes.....	272

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.....	471
(b) With treated wood blocks, existing pole.....	728
(c) With fiberglass blocks, new pole.....	499
(d) With fiberglass blocks, existing pole.....	841

116. Breast blocking only, new or existing pole:

(a) With treated wood block.....	501
(b) With concrete block.....	533
(c) With fiberglass block.....	548

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

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

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).....	316	463	206	
(b) 0-7.5kv double arm.....	619	889	206	
(c) 0-7.5kv double arm with reinforcing brackets.....	949	1347	250	
(d) 0-7.5kv sidearm - single.....	332		217	
(e) 0-7.5kv sidearm - double.....	648	799	250	
(f) 7.6-15kv single arm.....	302		217	
(g) 7.6-15kv double arm.....	602		217	
(h) 7.6-15kv sidearm - single.....	333		217	
(i) 7.6-15kv sidearm - double.....	670		217	
	Wooden Arm	CF Arm	16-34KV	66-115KV
(j) 16-115kv single arm.....	613	705	255	315
(k) 16-115kv double arm.....	802	780	482	631
(l) 16-115kv double arm with reinforcing brackets.....	1089	1567	865	865
(m) 16-115kv sidearm - single.....	460		460	460
(n) 16-115kv sidearm - double.....	785	1438	495	706

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.....	1556	250
(b) 8 or 9 ft. extension.....	691	250

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.....	99
(b) 11 or 16kv pin type, each.....	104
(c) 34kv pin type, each.....	271
(d) 66kv pin type, each.....	266
(e) 11 and 16kv post type, each.....	131
(f) 34kv post type, each.....	293
(g) 66kv post type, each.....	390
(h) 34 to 115kv suspension (strain) type, each insulator.....	181

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.....	103
(b) 750-7,500 volt primary.....	121
(c) 11 or 16kv - 1 strain insulator.....	81
(d) 11 or 16kv - 2 strain insulators.....	155
(e) 34kv - 4/0 conductor or smaller - 2 insulators.....	373
(f) 34kv - 4/0 conductor or smaller - 3 insulators.....	378
(g) 34kv - larger than 4/0 conductor - 3 insulators.....	409
(h) 66 to 115kv - 4/0 conductor or smaller - 4 insulators.....	1072
(i) 66 to 115kv - larger than 4/0 conductor - 4 insulators.....	1135
(j) 750-7500 volt primary silicone insulators.....	172
(k) 34KV - silicone insulators.....	303

NOTE: Add \$74 for each additional insulator on items (c) to (d). Add \$165 for each additional insulator on items (e) to (f). Add \$180 for each additional insulator on item (g). Add \$246 for each additional insulator on item (h). Add \$262 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.....	216
plus conductor, each.....	183
(b) Bracket, Triplex.....	156
plus Triplex conductor.....	185

125. Ground assembly, complete..... 462

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.....	216
(b) Double insulator, fiberglass.....	265
(c) Triple insulator, fiberglass.....	178
(d) Pole top insulator, fiberglass.....	220

127. Support, single dead end, fiberglass..... 225

128. Insulator mounting bracket:

(a) Single (vertical or horizontal).....	292
(b) Double (vertical).....	292
(c) Single, over 40kv.....	841

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..... 646

132. Mounting bracket:

(a) Two transformers.....	389
(b) Three transformers.....	599

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. (Special agreement Section 1.2)

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.....	163
160. Crossarms: (For installation or attachment to existing with service wire only)	
(a) Single wood service arm.....	234
(b) Double wood service arm.....	261
(c) Composite Fiberglass arm.....	232
(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.....	243
(b) Double wood service arm.....	280
(c) Composite Fiberglass arm.....	225
(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.....	91
(b) Additional wedge grip units on same hook, each.....	49
164. Cable arm: (For installation or attachment to existing)	
	Wooden CF
(a) Single arm w/ one cable.....	233 188
(b) Double arm w/ one cable.....	253 200
(c) Extension arm (“F” or Alley arm) w/ one cable.....	230 182
(d) Additional cable (on separate messenger) on same arm.....	202
(e) Attach to existing cable arm.....	No Charge
165. Cable attached direct to interset pole, each.....	192
166. Messenger reinforcing units:	
(a) Reinforcing strap, each.....	73
(b) Reinforcing link, each.....	79
167. Messenger without cable:	
(a) Single arm.....	248
(b) Double arm.....	249
(c) Extension arm (“F” or Alley arm).....	248
(d) Direct to pole.....	248
(e) Additional messenger.....	234
168. Multiple distribution service wire attached to pole or arms.....	92
169. Protective covering - wood or plastic: (Box guard)	
Street light stds. (marbelite or metal), each location.....	90
NOTE: Billing is optional, depending on policy of utility.	
170. Bonding to secondary neutral ground, per pole.....	123
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.	