

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)*	2439	2676	3331	3648	6028	6503	6939	7177
2. Trenching or moving: (without supply)*	650	730	868					
3. Lowering or raising to grade (one operation) :	1152	1294	1452	1845	2369	2706	3936	3204
4. Straightening in earth*:	943	1298	1087	1242	1722	1957	2012	2044
5. Removing from service:								
(a) Pulling.....per pole								924
*includes 1 hour pre-planning and engineering								
(b) Transporting.....per pole								279
(c) Topping Pole.....								337
*based on cut and lowering of pole top								
(d) Disposal.....per pole								158
*effective 07/01/02								
(e) Lowering.....per pole								200
*for use only with LTD in conjunction with item 19 cut and kick *Added April 2013								
6. Pole Stubbing (stub-size):								
(a) 8 ft. metal truss.....								873
(b) 10 ft. metal truss.....								783
(c) 11 ft. metal truss.....								874
(d) 12 ft. metal truss.....								866
(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).....								272
(i) Inaccessible to stubbing equipment.....								368
7. Intentionally left blank								
8. Semi-circular pole guards:								
(a) Installation.....								164
(b) Transferring.....								124
9. Hand Dig/Hand Removal								1045
(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.....								607
(b) Asphalt break and repair.....								428
(c) Cement saw cut break and repair. Based on 25 square feet.....								838
11. Joint Rights of Way: (By special agreement)								
12. Pole Inspections and Treatment								
(a) Reserved for future use.....								
(b) Partial Dig.....								45
(c) Sound and Bore.....								37
(d) Full Treatment.....								60
(e) Reject.....								41
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).....								47

AUTHORIZED COSTS

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ITEM

13. Pole/anchor access obstructions:

- (a) Clearing poles in State Responsibility area..... 58
(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 220
- (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).....

- (a) Including correction of records 233
- (b) Field verification only 123

15. Pole Marking

- (a) Tagging..... 35
- (b) Visibility Strips 34

16. Backhoe:

- (a) 2 hour minimum..... 278
- (b) Each additional hour (inclusive operator & truck)..... 131

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'..... 8323
- (b) 14'..... 9558
- (c) 18'..... 9579

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 1245
- (b) Pole placement located on street with riser and/or equipment..... 1567
- (c) Pole placement on rear property with or without riser and/or equipment not accessible to digging equipment..... 1897
(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'	2439	81.30	2032.50	1016.25	677.50	508.13	406.50	338.75
35'	2439	69.69	1881.51	940.76	627.17	470.38	376.30	313.59
40'	2676	66.90	2007.00	1003.50	669.00	501.75	401.40	334.50
45'	2676	59.47	1784.00	892.00	594.67	446.00	356.80	297.33
50'	3331	66.62	2065.22	1032.61	688.41	516.31	413.04	344.20
55'	3331	60.56	1877.47	938.74	625.82	469.37	375.49	312.91
60'	3648	60.80	1945.60	972.80	648.53	486.40	389.12	324.27
65'	3648	56.12	1795.94	897.97	598.65	448.98	359.19	299.32
70'	6028	86.11	2841.77	1420.89	947.26	710.44	568.35	473.63
75'	6028	80.37	2652.32	1326.16	884.11	663.08	530.46	442.05
80'	6503	81.29	2763.78	1381.89	921.26	690.94	552.76	460.63
85'	6503	76.51	2601.20	1300.60	867.07	650.30	520.24	433.53
90'	6939	77.10	2698.50	1349.25	899.50	674.63	539.70	449.75
95'	6939	73.04	2556.47	1278.24	852.16	639.12	511.29	426.08
100'	7177	71.77	2511.95	1255.98	837.32	627.99	502.39	418.66

AUTHORIZED COSTS

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**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'	650	21.67	541.67	270.83	180.56	135.42	108.33	90.28
35'	650	18.57	501.43	250.71	167.14	125.36	100.29	83.57
40'	730	18.25	547.50	273.75	182.50	136.88	109.50	91.25
45'	730	16.22	486.67	243.33	162.22	121.67	97.33	81.11
50'	868	17.36	538.16	269.08	179.39	134.54	107.63	89.69
55'	868	15.78	489.24	244.62	163.08	122.31	97.85	81.54

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'	1152	38.40	960.00	480.00	320.00	240.00	192.00	160.00
35'	1152	32.91	888.69	444.34	296.23	222.17	177.74	148.11
40'	1294	32.35	970.50	485.25	323.50	242.63	194.10	161.75
45'	1294	28.76	862.67	431.33	287.56	215.67	172.53	143.78
50'	1452	29.04	900.24	450.12	300.08	225.06	180.05	150.04
55'	1452	26.40	818.40	409.20	272.80	204.60	163.68	136.40
60'	1845	30.75	984.00	492.00	328.00	246.00	196.80	164.00
65'	1845	28.38	908.31	454.15	302.77	227.08	181.66	151.38
70'	2369	33.84	1116.81	558.41	372.27	279.20	223.36	186.14
75'	2369	31.59	1042.36	521.18	347.45	260.59	208.47	173.73
80'	2706	33.83	1150.05	575.03	383.35	287.51	230.01	191.68
85'	2706	31.84	1082.40	541.20	360.80	270.60	216.48	180.40
90'	3936	43.73	1530.67	765.33	510.22	382.67	306.13	255.11
95'	3936	41.43	1450.11	725.05	483.37	362.53	290.02	241.68
100'	3204	32.04	1121.40	560.70	373.80	280.35	224.28	186.90

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'	943	31.43	785.83	392.92	261.94	196.46	157.17	130.97
35'	943	26.94	727.46	363.73	242.49	181.86	145.49	121.24
40'	1298	32.45	973.50	486.75	324.50	243.38	194.70	162.25
45'	1298	28.84	865.33	432.67	288.44	216.33	173.07	144.22
50'	1087	21.74	673.94	336.97	224.65	168.49	134.79	112.32
55'	1087	19.76	612.67	306.34	204.22	153.17	122.53	102.11
60'	1242	20.70	662.40	331.20	220.80	165.60	132.48	110.40
65'	1242	19.11	611.45	305.72	203.82	152.86	122.29	101.91
70'	1722	24.60	811.80	405.90	270.60	202.95	162.36	135.30
75'	1722	22.96	757.68	378.84	252.56	189.42	151.54	126.28
80'	1957	24.46	831.73	415.86	277.24	207.93	166.35	138.62
85'	1957	23.02	782.80	391.40	260.93	195.70	156.56	130.47
90'	2012	22.36	782.44	391.22	260.81	195.61	156.49	130.41
95'	2012	21.18	741.26	370.63	247.09	185.32	148.25	123.54
100'	2044	20.44	715.40	357.70	238.47	178.85	143.08	119.23

**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.....	249
(b) Sidewalk anchor guys (pipe brace and fittings, all sizes).....	302
NOTE: When necessary to relocate a guy insulator, add the following to above cost:	
(c) Insulator relocation.....	195

**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).....	417	337	227
(b) 0-7.5kv double arm.....	811	337	227
(c) 0-7.5kv double arm with reinforcing bracket.....	1023	337	227
(d) 0-7.5kv sidearm - single.....	248	372	248
(e) 0-7.5kv sidearm - double.....	1118	337	227
(f) 7.6-15kv single arm.....	248	620	496
(g) 7.6-15kv double arm.....	496	620	496
(h) 7.6-15kv sidearm - single.....	496	620	496
(i) 7.6-15kv sidearm - double.....	868	620	496
(j) 16-34kv single arm.....	1176	461	351
(k) 16-34kv double arm.....	1483	461	351
(l) 16-34kv double arm with reinforcing bracket.....	1774	461	351
(m) 16-34kv sidearm - single.....	620	620	496
(n) 16-34kv sidearm - double.....	1836	461	351
(o) 66-115kv single arm.....	744	620	496
(p) 66-115kv double arm.....	992	620	496
(q) 66-115kv steel arm.....	1036	620	496

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.....	228
(b) 750-7,500 volt primary.....	438
(c) 7.6-115kv - 1 or 2 strain insulators.....	1164
(d) 7.6-115kv - 3 or 4 strain insulators.....	1228
(e) 7.6-115kv - 5 or 6 strain insulators.....	1228

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.....	2087
(a1) Triangular to Horizontal 7.5-115kv single arm, per pole	1826
(a2) Vertical to Horizontal 7.5-115kv single arm, per pole	2174
(b) Horizontal to vertical 7.5-115kv double arm, per pole.....	2087
(b1) Triangular to Horizontal 7.5-115kv double arm, per pole	1826
(b2) Vertical to Horizontal 7.5-115kv double arm, per pole	2174
NOTE: Cost of rebonding is included in above prices.	
24. Bonding, per pole:	
(a) Single circuit - all voltages.....	360
(b) Double circuit - all voltages.....	597
25. Ground wire, including protective covering.....	680
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.....	297
plus conductor, each.....	203
(b) Bracket, triplex.....	211
plus triplex conductor.....	203
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.....	227
(b) Larger than #4 conductor.....	312
(c) Triplex service conductors.....	227
29. Transformers, including cutouts, heel arm, and lightning arresters (hanger arms or brackets are extra):	
(a) 1-1/2 to 25 kva, each.....	2525
(b) 30 to 167 kva, each.....	2773
(c) Mounting brackets, two transformers.....	354
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.....	4640
(b) Capacitor bank, non-switched.....	2597
31. Street lights:	
(a) Center suspension type - span end.....	2225
(b) Center suspension type - feed end.....	2349
(c) Goose neck or bracket type - open wire.....	2225
(d) Goose neck or bracket type - conduit on pole.....	649
(e) Mast arm type.....	649
(f) Pole top pin and insulator - single.....	313
(g) Pole top pin and insulator - double.....	313
32. Meter or time switch control box: Price by field agreement	
33. Supports:	
(a) Single insulator, fiberglass.....	254
(b) Double insulator, fiberglass.....	254
(c) Triple insulator, fiberglass.....	254
(d) Pole top insulator, fiberglass.....	254
34. Support, single dead end, fiberglass.....	254

AUTHORIZED COSTS

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ITEM

35. Insulator mounting brackets:
(a) Single (vertical or horizontal)..... 298
(b) Double (vertical)..... 360
(c) Single, over 40kv..... 744

36. Steel crossarm, squirrel cage bracket, including insulator:
(a) Single..... 347
(b) Double..... 496

37. Double circuit side mount insulators ("Dreyfuss Sunburst")..... 5952

38. Insulator assembly bracket for endarm mountings..... 414
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..... 93

75. Crossarms/Guardarms - transferring, raising, or lowering, per arm:
(a) Single..... 217
(b) Double..... 418

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..... 40

79. Multiple distribution service wire on line pole..... 94

81. "C" rural wire (1 pair):
(a) "C" rural wire in line pole, each pair..... 64
(b) "C" rural wire on dead-end pole, each pair..... 79

82. Cable arm with one cable - transferring, raising, or lowering:
(a) Single wood arm..... 256
(b) Double wood arm..... 358
(c) Extension arm ("F" or Alley arm)..... 319
(d) Additional cable (on separate messenger) on same arm..... 129
NOTE: The above prices do not include cable terminals.

83. Cable attached direct to pole..... 116

84. Messenger reinforcing units:
(a) Reinforcing strap, each..... 52
(b) Reinforcing link, each..... 59

85. Messenger without cable - transferring, raising, or lowering: (See Item 82 for transfer of arms)
(a) Single wood arm..... 108
(b) Double wood arm..... 162
(c) Extension arm ("F" or Alley arm)..... 199
(d) Direct to pole..... 156

86. Messenger dead end, all sizes, with or without cable..... 137

87. Cable terminal transfer: (pole to pole, no splicing)
(a) Distribution cable terminal (25x - 50x)..... 116
(b) Feeder distribution interface..... 210
(c) Pole seat or balcony..... 231

AUTHORIZED COSTS

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ITEM

88. Multiple distribution wire terminal transfer.....	89
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.....	640
(b) Ready Access-24 Pair or less.....	474
(c) Ready Access-24 Pair to 50 Pair.....	714
NOTE-When necessary to use multiple distribution stub, add the following to cost above;	
(d) Multiple distribution stub for Ready Access type.....	472

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.....	321
(b) 25 pair..... @ 13.36 per pair.....	325
(c) 50 pair..... @ 6.82 per pair.....	375
(d) 100 pair..... @ 5.88 per pair.....	561
(e) 200 Pair..... @ 4.40 per pair.....	823
(f) 300 pair..... @ 3.97 per pair.....	1118
(g) 400 pair..... @ 3.43 per pair.....	1278
(h) 600 pair..... @ 3.29 per pair.....	1809
(i) 700 pair..... @ 3.25 per pair.....	2093
(j) 800 pair..... @ 3.26 per pair.....	2401
(k) 900 pair..... @ 3.30 per pair.....	2716
(l) 1200 pair..... @ 3.22 per pair.....	3583

***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:.....	318
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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.....	1851
(2) 48 strand.....	3000
(3) 60 strand.....	3832
(4) 72 strand.....	4417
(5) 96 strand.....	5794
(6) 144 strand.....	8035
(7) 288 strand.....	15116
(8) Any size above and beyond by special agreement Section 1.2	

96. Intentionally left blank

97. Transfer meter circuit breaker box/disconnect box.....	1051
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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.....	370
(b) Anchor guy.....	301
(c) Cutting-in an insulator in existing guy.....	216
(d) Attaching span guy to interset pole.....	257
(e) Guy guards.....	57

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).....	1092
(b) Expanding Plate (Truck Access).....	522
(c) PISA (Screw Anchor).....	519
(d) Hydraulically Driven (Mantaray).....	460
(e) Concreting an anchor.....	281
(f) Sale of abandoned anchor to another utility – all sizes.....	233
(g) Existing Anchor Purchase (Rear property).....	672
(h) Existing Anchor Purchase (Street/alley).....	356

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.....	236
(b) 2-1/2" pipe brace and fittings.....	238
(c) 3" pipe brace and fittings.....	257
(d) Sale of abandoned pipe brace and fittings to another utility - all sizes.....	182

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.....	389
(b) With treated wood blocks, existing pole.....	602
(c) With fiberglass blocks, new pole.....	571
(d) With fiberglass blocks, existing pole.....	853

116. Breast blocking only, new or existing pole:

(a) With treated wood block.....	420
(b) With concrete block.....	411
(c) With fiberglass block.....	451

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).....	344	463	227	
(b) 0-7.5kv double arm.....	658	908	266	
(c) 0-7.5kv double arm with reinforcing brackets.....	1006	1357	266	
(d) 0-7.5kv sidearm - single.....	378		248	
(e) 0-7.5kv sidearm - double.....	706	825	275	
(f) 7.6-15kv single arm.....	343		248	
(g) 7.6-15kv double arm.....	684		248	
(h) 7.6-15kv sidearm - single.....	378		248	
(i) 7.6-15kv sidearm - double.....	762		248	
	Wooden Arm	CF Arm	16-34KV	66-115KV
(j) 16-115kv single arm.....	501	737	221	248
(k) 16-115kv double arm.....	846	1168	266	248
(l) 16-115kv double arm with reinforcing brackets.....	1208	1567	248	248
(m) 16-115kv sidearm - single.....	522		248	248
(n) 16-115kv sidearm - double.....	843	1060	459	248

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.....	1769	266
(b) 8 or 9 ft. extension.....	783	285

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.....	104
(b) 11 or 16kv pin type, each.....	119
(c) 34kv pin type, each.....	282
(d) 66kv pin type, each.....	302
(e) 11 and 16kv post type, each.....	149
(f) 34kv post type, each.....	302
(g) 66kv post type, each.....	441
(h) 34 to 115kv suspension (strain) type, each insulator.....	206

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.....	142
(b) 750-7,500 volt primary.....	165
(c) 11 or 16kv - 1 strain insulator.....	154
(d) 11 or 16kv - 2 strain insulators.....	208
(e) 34kv - 4/0 conductor or smaller - 2 insulators.....	422
(f) 34kv - 4/0 conductor or smaller - 3 insulators.....	620
(g) 34kv - larger than 4/0 conductor - 3 insulators.....	674
(h) 66 to 115kv - 4/0 conductor or smaller - 4 insulators.....	1212
(i) 66 to 115kv - larger than 4/0 conductor - 4 insulators.....	1283
(j) 750-7500 volt primary silicone insulators.....	180
(k) 34KV - silicone insulators.....	303
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.....	233
plus conductor, each.....	203
(b) Bracket, Triplex.....	166
plus Triplex conductor.....	203
125. Ground assembly, complete.....	502
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.....	231
(b) Double insulator, fiberglass.....	273
(c) Triple insulator, fiberglass.....	178
(d) Pole top insulator, fiberglass.....	225
127. Support, single dead end, fiberglass.....	239
128. Insulator mounting bracket:	
(a) Single (vertical or horizontal).....	296
(b) Double (vertical).....	296
(c) Single, over 40kv.....	957
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.....	472
132. Mounting bracket:	
(a) Two transformers.....	482
(b) Three transformers.....	902
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.....	97
160. Crossarms: (For installation or attachment to existing with service wire only)	
(a) Single wood service arm.....	188
(b) Double wood service arm.....	269
(c) Composite Fiberglass arm.....	188
(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.....	192
(b) Double wood service arm.....	264
(c) Composite Fiberglass arm.....	191
(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.....	36
164. Cable arm: (For installation or attachment to existing)	
	Wooden CF
(a) Single arm w/ one cable.....	209 146
(b) Double arm w/ one cable.....	281 214
(c) Extension arm ("F" or Alley arm) w/ one cable.....	226 214
(d) Additional cable (on separate messenger) on same arm.....	154
(e) Attach to existing cable arm.....	No Charge
165. Cable attached direct to interset pole, each.....	110
166. Messenger reinforcing units:	
(a) Reinforcing strap, each.....	57
(b) Reinforcing link, each.....	63
167. Messenger without cable:	
(a) Single arm.....	149
(b) Double arm.....	154
(c) Extension arm ("F" or Alley arm).....	150
(d) Direct to pole.....	103
(e) Additional messenger.....	86
168. Multiple distribution service wire attached to pole or arms.....	65
169. Protective covering - wood or plastic: (Box guard)	
Street light stds. (marbelite or metal), each location.....	72
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.	