

**AUTHORIZED COSTS**

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

**POLE MAINTENANCE AND MISCELLANEOUS**

<b>ITEM</b>	<b>30' &amp; 35'</b>	<b>40' &amp; 45'</b>	<b>50' &amp; 55'</b>	<b>60' &amp; 65'</b>	<b>70' &amp; 75'</b>	<b>80' &amp; 85'</b>	<b>90' &amp; 95'</b>	<b>100'</b>
<b>1. Trenching or moving:</b> (with supply)*	2760	3187	3974	4455	6697	7582	8432	9102
<b>2. Trenching or moving:</b> (without supply)*	962	984	1614					
<b>3. Lowering or raising to grade</b> (one operation) :	1936	2176	2373	2960	5337	5981	6572	6894
<b>4. Straightening in earth*:</b>	1052	1124	1210	2523	3609	3609	3609	3609
<b>5. Removing from service:</b>								
(a) Pulling (includes 1 hour pre-planning and engineering) .....								per pole 1111
(b) Transporting.....								per pole 310
(c) Topping Pole (based on cut and lowering of pole top).....								per pole 648
(d) Disposal (effective 07/01/02).....								per pole 912
(e) Lowering.....								per pole 707
(f) Removal of steel truss (any size).....								per pole 981
(Rev 01/01/2017)								
<b>6. Pole Stubbing (stub-size):</b>								
(a) 8 ft. metal truss.....								1525
(b) 10 ft. metal truss.....								1756
(c) 11 ft. metal truss.....								1883
(d) 12 ft. metal truss.....								1848
(e) 13 ft. metal truss .....								2051
(f) 14 ft. metal truss.....								2669
(g) 15.5 ft. metal truss .....								2669
(h) Additional metal trusses (all sizes).....								1525
(i) Inaccessible to stubbing equipment.....								1451
<b>7. Intentionally left blank</b>								
<b>8. Semi-circular pole guards:</b>								
(a) Installation.....								229
(b) Transferring.....								216
<b>9. Hand Dig Pole Set/Hand Removal:</b>								
(do not apply to Sec 7.4 or rear property line)								
(a) Pole set: Not accessible to digging equipment.....								1850
(b) Pole set/removal: Accessible with Conflict-Must specify nature of conflict on Form 48, Form 7, or Form 2.....								1655
(c) Pole removal not accessible to removal equipment (hand dig only removal) (justification is necessary) .....								1666
(Rev 01/01/2017)								
<b>10. Sidewalk or pavement repairs for placement, replacement, or removal of pole or anchor:</b>								
(Permit and/or inspection fees, if any, are by special agreement) (See also JPR Section 19.6)								
(a) Cement break and temporary repair.....								1544
(b) Asphalt break and repair.....								1507
(c) Cement saw cut break and repair. Based on 25 square feet.....								1497
(d) Cement saw cut break and repair. Based on 50 square feet.....								2631
(e) ADA accessible ramp.....								2630
(Rev 01/01/2017)								
<b>11. Joint Rights of Way: (By special agreement)</b>								

## AUTHORIZED COSTS

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### ITEM

#### 12. Pole Inspections and Treatment

- (a) Reserved for future use
- (b) Partial Dig..... 296
- (c) Sound and Bore..... 296
- (d) Full Treatment..... 296
- (e) Reject..... 296
- 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)..... 255

#### 13. Pole/anchor access obstructions:

- (a) Clearing poles in State Responsibility area..... 406  
(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 ..... 402
- (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. JPA Administrative Fees (per pole cost)

- (a) Failure to Final: Including correction of records ..... 278
- (b) Failure to Final: Field verification only ..... 184
- (c) Failure to Submit Pole Loading by Unauthorized Member (see Section 4.1) – (Revised 11/20/2018)..... 168

#### 15. Pole Marking – Maintenance items only (Revised 11/17/2021)

- (a) Re-Tagging..... 56
- (b) Replacing Visibility Strips ..... 57

#### 16. Backhoe:

- (a) 2 hour minimum..... 399
- (b) Each additional hour (inclusive operator & truck)..... 264

#### 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'..... 4549
- (b) 14'..... 1438
- (c) 18'..... 1663

#### 19. Cost for cut & kick:

Only to be used with Section 7.4. Must state benefiting member(s) or mutual benefit under "Nature of Work"

- (a) Pole placement located on street without riser and/or equipment ..... 2532
  - (b) Pole placement located on street with riser and/or equipment..... 2884
  - (c) Pole placement on rear property with or without riser and/or equipment not accessible to digging equipment..... 4012
- (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**

<b>Pole Size</b>	<b>Authorized Cost</b>	<b>Per Foot Cost</b>	<b>Total Shared \$</b>	<b>2 Owners Shared \$</b>	<b>3 Owners Shared \$</b>	<b>4 Owners Shared \$</b>	<b>5 Owners Shared \$</b>	<b>6 Owners Shared \$</b>
30'	2760	92.000	2300.000	1150.000	766.667	575.000	460.000	383.333
35'	2760	78.857	2286.857	1143.429	762.286	571.714	457.371	381.143
40'	3187	79.675	2390.250	1195.125	796.750	597.563	478.050	398.375
45'	3187	70.822	2124.667	1062.333	708.222	531.167	424.933	354.111
50'	3974	79.480	2463.880	1231.940	821.293	615.970	492.776	410.647
55'	3974	72.255	2239.891	1119.945	746.630	559.973	447.978	373.315
60'	4455	74.250	2376.000	1188.000	792.000	594.000	475.200	396.000
65'	4455	68.538	2193.231	1096.615	731.077	548.308	438.646	365.538
70'	6697	95.671	3157.157	1578.579	1052.386	789.289	631.431	526.193
75'	6697	89.293	2946.680	1473.340	982.227	736.670	589.336	491.113
80'	7582	94.775	3222.350	1611.175	1074.117	805.588	644.470	537.058
85'	7582	89.200	3032.800	1516.400	1010.933	758.200	606.560	505.467
90'	8432	93.689	3279.111	1639.556	1093.037	819.778	655.822	546.519
95'	8432	88.758	3106.526	1553.263	1035.509	776.632	621.305	517.754
100'	9102	91.020	3185.700	1592.850	1061.900	796.425	637.140	530.950

**AUTHORIZED COSTS**

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

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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**

<b>Pole Size</b>	<b>Authorized Cost</b>	<b>Per Foot Cost</b>	<b>Total Shared \$</b>	<b>2 Owners Shared \$</b>	<b>3 Owners Shared \$</b>	<b>4 Owners Shared \$</b>	<b>5 Owners Shared \$</b>	<b>6 Owners Shared \$</b>
30'	962	32.067	801.667	400.833	267.222	200.417	160.333	133.611
35'	962	27.486	797.086	398.543	265.695	199.271	159.417	132.848
40'	984	24.600	738.000	369.000	246.000	184.500	147.600	123.000
45'	984	21.867	656.000	328.000	218.667	164.000	131.200	109.333
50'	1614	32.280	1000.680	500.340	333.560	250.170	200.136	166.780
55'	1614	29.345	909.709	454.855	303.236	227.427	181.942	151.618

**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**

<b>Pole Size</b>	<b>Authorized Cost</b>	<b>Per Foot Cost</b>	<b>Total Shared \$</b>	<b>2 Owners Shared \$</b>	<b>3 Owners Shared \$</b>	<b>4 Owners Shared \$</b>	<b>5 Owners Shared \$</b>	<b>6 Owners Shared \$</b>
30'	1936	64.533	1613.333	806.667	537.778	403.333	322.667	268.889
35'	1936	55.314	1604.114	802.057	534.705	401.029	320.823	267.352
40'	2176	54.400	1632.000	816.000	544.000	408.000	326.400	272.000
45'	2176	48.356	1450.667	725.333	483.556	362.667	290.133	241.778
50'	2373	47.460	1471.260	735.630	490.420	367.815	294.252	245.210
55'	2373	43.145	1337.509	668.755	445.836	334.377	267.502	222.918
60'	2960	49.333	1578.667	789.333	526.222	394.667	315.733	263.111
65'	2960	45.538	1457.231	728.615	485.744	364.308	291.446	242.872
70'	5337	76.243	2516.014	1258.007	838.671	629.004	503.203	419.336
75'	5337	71.160	2348.280	1174.140	782.760	587.070	469.656	391.380
80'	5981	74.763	2541.925	1270.963	847.308	635.481	508.385	423.654
85'	5981	70.365	2392.400	1196.200	797.467	598.100	478.480	398.733
90'	6572	73.022	2555.778	1277.889	851.926	638.944	511.156	425.963
95'	6572	69.179	2421.263	1210.632	807.088	605.316	484.253	403.544
100'	6894	68.940	2412.900	1206.450	804.300	603.225	482.580	402.150

**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**

<b>Pole Size</b>	<b>Authorized Cost</b>	<b>Per Foot Cost</b>	<b>Total Shared \$</b>	<b>2 Owners Shared \$</b>	<b>3 Owners Shared \$</b>	<b>4 Owners Shared \$</b>	<b>5 Owners Shared \$</b>	<b>6 Owners Shared \$</b>
30'	1052	35.067	876.667	438.333	292.222	219.167	175.333	146.111
35'	1052	30.057	871.657	435.829	290.552	217.914	174.331	145.276
40'	1124	28.100	843.000	421.500	281.000	210.750	168.600	140.500
45'	1124	24.978	749.333	374.667	249.778	187.333	149.867	124.889
50'	1210	24.200	750.200	375.100	250.067	187.550	150.040	125.033
55'	1210	22.000	682.000	341.000	227.333	170.500	136.400	113.667
60'	2523	42.050	1345.600	672.800	448.533	336.400	269.120	224.267
65'	2523	38.815	1242.092	621.046	414.031	310.523	248.418	207.015
70'	3609	51.557	1701.386	850.693	567.129	425.346	340.277	283.564
75'	3609	48.120	1587.960	793.980	529.320	396.990	317.592	264.660
80'	3609	45.113	1533.825	766.913	511.275	383.456	306.765	255.638
85'	3609	42.459	1443.600	721.800	481.200	360.900	288.720	240.600
90'	3609	40.100	1403.500	701.750	467.833	350.875	280.700	233.917
95'	3609	37.989	1329.632	664.816	443.211	332.408	265.926	221.605
100'	3609	36.090	1263.150	631.575	421.050	315.788	252.630	210.525

**AUTHORIZED COSTS**

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

**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.....	499
(b) Sidewalk anchor guys (pipe brace and fittings, all sizes).....	599
<b>NOTE:</b> When necessary to relocate a guy insulator, add the following to above cost:	
(c) Insulator relocation.....	373

**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).....	456	412	284
(b) 0-7.5kv double arm.....	742	497	327
(c) 0-7.5kv double arm with reinforcing bracket.....	1512	363	299
(d) 0-7.5kv sidearm - single.....	318	318	318
(e) 0-7.5kv sidearm - double.....	1254	428	363
(f) 7.6-15kv single arm.....	636	636	636
(g) 7.6-15kv double arm.....	636	636	636
(h) 7.6-15kv sidearm - single.....	636	636	636
(i) 7.6-15kv sidearm - double.....	636	636	636
(j) 16-34kv single arm.....	712	676	548
(k) 16-34kv double arm.....	919	761	590
(l) 16-34kv double arm with reinforcing bracket.....	1780	758	694
(m) 16-34kv sidearm - single.....	636	636	636
(n) 16-34kv sidearm - double.....	1499	823	758
(o) 66-115kv single arm.....	636	636	636
(p) 66-115kv double arm.....	636	636	636
(q) 66-115kv steel arm.....	636	636	636

**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.....	240
(b) 750-7,500 volt primary.....	482
(c) 7.6-115kv - 1 or 2 strain insulators.....	1089
(d) 7.6-115kv - 3 or 4 strain insulators.....	1637
(e) 7.6-115kv - 5 or 6 strain insulators.....	955

**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

<b>23. Changing type of construction – horizontal to vertical, triangular to horizontal, vertical to horizontal, etc.:</b> (labor cost only - additional arms are extra)	
(a) Horizontal to vertical 7.5-115kv single arm, per pole.....	2761
(a1) Triangular to Horizontal 7.5-115kv single arm, per pole .....	2419
(a2) Vertical to Horizontal 7.5-115kv single arm, per pole .....	2864
(b) Horizontal to vertical 7.5-115kv double arm, per pole.....	2761
(b1) Triangular to Horizontal 7.5-115kv double arm, per pole .....	2419
(b2) Vertical to Horizontal 7.5-115kv double arm, per pole .....	2864
<b>NOTE:</b> Cost of rebonding is included in above prices.	
<b>24. Bonding, per pole:</b>	
(a) Single circuit - all voltages.....	475
(b) Double circuit - all voltages.....	791
<b>25. Ground wire, including protective covering.....</b>	<b>690</b>
<b>26. Pole top switches (oil or open air):</b> Price by field agreement (cost to be estimated and agreed to by field engineers)	
<b>27. Racks and brackets, secondary:</b>	
(a) Rack, 3 or 4 wire - direct to pole.....	389
plus conductor, each.....	266
(b) Bracket, triplex.....	277
plus triplex conductor.....	266
<b>NOTE:</b> 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.	
<b>28. Service conductors - transferring, raising or lowering:</b>	
(a) #4 conductor or smaller.....	157
(b) Larger than #4 conductor.....	226
(c) Triplex service conductors.....	183
<b>29. Transformers, including cutouts, heel arm, and lightning arresters (hanger arms or brackets are extra):</b>	
(a) 1-1/2 to 25 kva, each.....	3839
(b) 30 to 167 kva, each.....	4157
(c) Mounting brackets, two transformers.....	443
<b>NOTE:</b> 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.	
<b>30. Capacitors and associated equipment:</b>	
(a) Capacitor bank, switched.....	6073
(b) Capacitor bank, non-switched.....	4014
<b>31. Street lights:</b>	
(a) Center suspension type - span end.....	318
(b) Center suspension type - feed end.....	668
(c) Goose neck or bracket type - open wire.....	318
(d) Goose neck or bracket type - conduit on pole.....	710
(e) Mast arm type.....	821
(f) Pole top pin and insulator - single.....	210
(g) Pole top pin and insulator - double.....	86
<b>32. Meter or time switch control box:</b> Price by field agreement	
<b>33. Supports:</b>	
(a) Single insulator, fiberglass.....	344
(b) Double insulator, fiberglass.....	395
(c) Support Triple insulator, fiberglass (intentionally left blank)	
(d) Pole top insulator, fiberglass.....	363
<b>34. Support, single dead end, fiberglass.....</b>	<b>344</b>

**AUTHORIZED COSTS**

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**ITEM**

**35. Insulator mounting brackets:**  
(a) Single (vertical or horizontal)..... 503  
(b) Double (vertical)..... 926  
(c) Single, over 40kv..... 955

**36. Steel crossarm, squirrel cage bracket, including insulator:**  
(a) Single..... 430  
(b) Double..... 621

**37. Double circuit side mount insulators (“Dreyfuss Sunburst”)**..... 7638

**38. Insulator assembly bracket for endarm mountings**..... 866  
**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**..... 245

**75. Crossarms/Guardarms - transferring, raising, or lowering, per arm:**  
(a) Single..... 306  
(b) Double..... 323

**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..... 86  
(b) Transferring, raising, or lowering additional wedge grip units on same hook, each..... 84

**79. Multiple distribution service wire on line pole**..... 139

**81. “C” rural wire (1 pair):**  
(a) “C” rural wire in line pole, each pair..... 122  
(b) “C” rural wire on dead-end pole, each pair..... 128

**82. Cable arm with one cable - transferring, raising, or lowering:**  
(a) Single wood arm..... 482  
(b) Double wood arm..... 518  
(c) Extension arm (“F” or Alley arm)..... 500  
(d) Additional cable (on separate messenger) on same arm..... 511  
**NOTE:** The above prices do not include cable terminals.

**83. (a) Cable attached direct to pole – Complete** ..... 280  
**(b) Cable attached (additional work required)**..... 248

**84. Messenger reinforcing units:**  
(a) Reinforcing strap, each..... 263  
(b) Reinforcing link, each..... 263

**85. Messenger without cable - transferring, raising, or lowering: (See Item 82 for transfer of arms)**  
(a) Single wood arm..... 320  
(b) Double wood arm..... 380  
(c) Extension arm (“F” or Alley arm)..... 360  
(d) Direct to pole..... 348

## AUTHORIZED COSTS

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

### ITEM

<b>86. Messenger dead end, all sizes, with or without cable.....</b>	<b>326</b>
<b>87. Cable terminal transfer: (pole to pole, no splicing)</b>	
(a) Distribution cable terminal (25x - 50x).....	281
(b) Feeder distribution interface.....	418
(c) Pole seat or balcony.....	341
<b>88. Multiple distribution wire terminal transfer.....</b>	<b>259</b>
<b>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) :</b>	
(a) All types of terminals except Ready Access-25 Pair or less.....	336
(b) Ready Access-24 Pair or less.....	336
(c) Ready Access-24 Pair to 50 Pair.....	620
<b>NOTE-When necessary to use multiple distribution stub, add the following to cost above;</b>	
(d) Multiple distribution stub for Ready Access type.....	576

**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.....	@ 17.17 per pair.....	309
(b) 25 pair.....	@ 12.48 per pair.....	312
(c) 50 pair.....	@ 7.42 per pair.....	371
(d) 100 pair.....	@ 5.33 per pair.....	533
(e) 200 Pair.....	@ 4.09 per pair.....	817
(f) 300 pair.....	@ 3.79 per pair.....	1138
(g) 400 pair.....	@ 3.31 per pair.....	1324
(h) 600 pair.....	@ 3.20 per pair.....	1917
(i) 700 pair.....	@ 3.17 per pair.....	2219
(j) 800 pair.....	@ 3.17 per pair.....	2538
(k) 900 pair.....	@ 3.13 per pair.....	2818
(l) 1200 pair.....	@ 3.16 per pair.....	3787

\*\*\*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.

<b>92. Cable risers, including pipe and molding, each:.....</b>	<b>358</b>
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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.....	1535
(2) 48 strand.....	2484
(3) 60 strand.....	3159
(4) 72 strand.....	3641
(5) 96 strand.....	4750
(6) 144 strand.....	6606
(7) 288 strand.....	12487
(8) Any size above and beyond by special agreement Section 1.2	

**AUTHORIZED COSTS**

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

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**ITEM**

96. Intentionally left blank

97. Transfer meter circuit breaker box/disconnect box..... 696

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.....	542
(b) Anchor guy.....	520
(c) Cutting-in an insulator in existing guy.....	406
(d) Attaching span guy to interset pole.....	442
(e) Guy guards.....	331

**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).....	1121
(b) Expanding Plate (Truck Access).....	763
(c) PISA (Screw Anchor).....	781
(d) Hydraulically Driven (Mantaray).....	725
(e) Concreting an anchor.....	504
(f) Sale of abandoned anchor to another utility – all sizes.....	421
(g) Existing Anchor Purchase (Rear property).....	908
(h) Existing Anchor Purchase (Street/alley).....	526

**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.....	342
(b) 2-1/2" pipe brace and fittings.....	379
(c) 3" pipe brace and fittings.....	342
(d) Sale of abandoned pipe brace and fittings to another utility - all sizes.....	400

**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.....	809
(b) With treated wood blocks, existing pole.....	873
(c) With fiberglass blocks, new pole.....	911
(d) With fiberglass blocks, existing pole.....	1133

**116. Breast blocking only, new or existing pole:**

(a) With treated wood block.....	657
(b) With concrete block.....	693
(c) With fiberglass block.....	755

**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).....	400	478	302	
(b) 0-7.5kv double arm.....	613	769	302	
(c) 0-7.5kv double arm with reinforcing brackets.....	1253	1409	302	
(d) 0-7.5kv sidearm - single.....	318	318	318	
(e) 0-7.5kv sidearm - double.....	857	950	366	
(f) 7.6-15kv single arm.....	318	318	318	
(g) 7.6-15kv double arm.....	318	318	318	
(h) 7.6-15kv sidearm - single.....	318	318	318	
(i) 7.6-15kv sidearm - double.....	318	318	318	
	<b>Wooden Arm</b>	<b>CF Arm</b>	<b>16-34KV</b>	<b>66-115KV</b>
(j) 16-115kv single arm.....	828	906	299	318
(k) 16-115kv double arm.....	1200	1356	461	636
(l) 16-115kv double arm with reinforcing brackets.....	1969	1730	461	636
(m) 16-115kv sidearm - single.....	318	318	318	318
(n) 16-115kv sidearm - double.....	1537	1537	525	636

**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
<b>121. Pole top extensions, including arms (pins and insulators are extra):</b>		
(a) 6 or 7 ft. extension.....	1641	366
(b) 8 or 9 ft. extension.....	3166	414
<b>NOTE:</b> 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.		

<b>122. Insulators, including pins and hardware:</b>		
(a) 0-7.5kV pin type, each.....		139
(b) 11 or 16kV pin type, each.....		95
(c) 34kV pin type, each.....		337
(d) 66kV pin type, each.....		191
(e) 11 and 16kV post type, each.....		95
(f) 34kV post type, each.....		355
(g) 66kV post type, each.....		191
(h) 34 to 115kV suspension (strain) type, each insulator.....		191

**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.....	141
(b) 750-7,500 volt primary.....	180
(c) 11 or 16kv - 1 strain insulator.....	80
(d) 11 or 16kv - 2 strain insulators.....	118
(e) 34kv - 4/0 conductor or smaller - 2 insulators.....	159
(f) 34kv - 4/0 conductor or smaller - 3 insulators.....	276
(g) 34kv - larger than 4/0 conductor - 3 insulators.....	276
(h) 66 to 115kv - 4/0 conductor or smaller - 4 insulators.....	318
(i) 66 to 115kv - larger than 4/0 conductor - 4 insulators.....	318
(j) 750-7500 volt primary silicone insulators.....	245
(k) 34KV - silicone insulators.....	345

**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.....	295
plus conductor, each.....	269
(b) Bracket, Triplex.....	230
plus Triplex conductor.....	277

**125. Ground assembly, complete.....** 610

**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.....	296
(b) Double insulator, fiberglass.....	405
(c) Triple insulator, fiberglass (intentionally left blank)	
(d) Pole top insulator, fiberglass.....	294

**127. Support, single dead end, fiberglass.....** 277

**128. Insulator mounting bracket:**

(a) Single (vertical or horizontal).....	605
(b) Double (vertical).....	1210
(c) Single, over 40kv.....	955

**129. Removed per Admin Board meeting 05/19/2021.**

**130. Removed per Admin Board meeting 05/19/2021.**

**131. Insulator assembly bracket for endarm mounting.....** 916

**132. Mounting bracket:**

(a) Two transformers.....	473
(b) Three transformers.....	724

**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.....	199
160. Crossarms: (For installation or attachment to existing with service wire only)	
(a) Single wood service arm.....	282
(b) Double wood service arm.....	290
(c) Composite Fiberglass arm.....	277
(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.....	282
(b) Double wood service arm.....	350
(c) Composite Fiberglass arm.....	277
(Rev 01/01/2017)	
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.....	97
(b) Additional wedge grip units on same hook, each.....	97
164. Cable arm: (For installation or attachment to existing)	
	Wooden      CF
(a) Single arm w/ one cable.....	271      196
(b) Double arm w/ one cable.....	271      196
(c) Extension arm (“F” or Alley arm) w/ one cable.....	271      196
(d) Additional cable (on separate messenger) on same arm.....	271
(e) Attach to existing cable arm.....	No Charge
165. Cable attached direct to interset pole, each.....	270
166. Messenger reinforcing units:	
(a) Reinforcing strap, each.....	119
167. Messenger without cable:	
(a) Single arm.....	350
(b) Double arm.....	350
(c) Extension arm (“F” or Alley arm).....	350
(d) Direct to pole.....	350
(e) Additional messenger.....	350
168. Multiple distribution service wire attached to pole or arms.....	139
169. Protective covering - wood or plastic: (Box guard)	
Street light stds. (marbelite or metal), each location.....	123
NOTE: Billing is optional, depending on policy of utility.	
170. Bonding to secondary neutral ground, per pole.....	162
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.	