

**POLE MAINTENANCE AND MISCELLANEOUS**

**ITEM**

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

# AUTHORIZED COSTS

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## ITEM

|   |           |
|---|-----------|
| <b>13. Pole access obstructions:</b>  |           |
| (a) Clearing poles in State Responsibility area.....<br>(Includes cost of contractor to perform activity and post Quality Control inspection) | 16        |
| (b) Removal of vegetation to facilitate the placement/replacement of a pole .....   | 200       |
| (c) All other by Special Agreement Section 1.2  |           |
| (Effective January 2008)  |           |
| <b>14. Failure to Final JPA Administrative Fee (perJPA).....</b>  | <b>78</b> |
| <b>15. Pole Marking</b>   |           |
| (a) Tagging.....  | 37        |
| (b) Visibility Strips .....   | 26        |
| <b>16. Backhoe:</b>   |           |
| (a) 2 hour minimum.....   | 236       |
| (b) Each additional hour (inclusive operator & truck).....  | 118       |
| <b>17. Wood pole fiberglass wrap restoration:</b>   |           |
| (a) Pole set in dirt (8 ft. standard).....  | 1064      |
| (b) Pole set in asphalt (includes cost of \$140 for asphalt / 8 ft. standard).....  | 1346      |
| (c) Pole set in concrete (includes cost of \$245 for concrete / 8 ft. standard).....  | 1340      |
| (d) Additional foot exceeding 8 ft. standard.....   | 82        |
| <b>18. Mod pole material and installation:</b>  |           |
| (a) 9'.....   | 3628      |
| (b) 14'.....  | 4173      |
| (c) 18'.....  | 3976      |
| <b>Prices established are from price list received from Pole Care 6-23-00</b>   |           |
| <b>19. Cost for placing pole back in the same hole:</b>   |           |
| (a) Pole placement located on street without riser and/or equipment .....   | 1063      |
| (b) Pole placement located on street with riser and/or equipment.....   | 1233      |
| (c) Pole placement on rear property with or without riser and/or equipment .....  | 1547      |

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

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

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

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

| <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'              | 523                    | 17.43                | 435.83                 | 217.92                    | 145.28                    | 108.96                    | 87.17                     | 72.64                     |
| 35'              | 523                    | 14.94                | 403.46                 | 201.73                    | 134.49                    | 100.86                    | 80.69                     | 67.24                     |
| 40'              | 523                    | 13.08                | 392.25                 | 196.13                    | 130.75                    | 98.06                     | 78.45                     | 65.38                     |
| 45'              | 523                    | 11.62                | 348.67                 | 174.33                    | 116.22                    | 87.17                     | 69.73                     | 58.11                     |
| 50'              | 688                    | 13.76                | 426.56                 | 213.28                    | 142.19                    | 106.64                    | 85.31                     | 71.09                     |
| 55'              | 673                    | 12.24                | 379.33                 | 189.66                    | 126.44                    | 94.83                     | 75.87                     | 63.22                     |

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

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

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

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

**TRANSFER COSTS  
GUY WIRES**

**ITEM**

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

**TRANSFER COSTS  
POWER CIRCUITS**

**ITEM**

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

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

**NOTES CONCERNING ITEMS 21 AND 22:**

For strain dead ends on arm, omit specified conductor cost and add Item 22. For Close Buck (Smith Corner) construction, cost of transferring corner arm bracing is extra by field agreement.  
In triangular or vertical configuration, when circuits are of different voltage or different type of conductor support, apply arm cost for higher voltage involved and respective conductor cost according to voltage. Where circuits are of different ownership, the utility transferring arms and its own circuit will apply both costs, and the utility transferring conductors only will apply double the specified conductor price.

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

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

# AUTHORIZED COSTS

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## ITEM

|  |            |
|--|------------|
| <b>23. Changing type of construction – horizontal to vertical, triangular to horizontal, vertical to horizontal, etc.:</b><br>(labor cost only - additional arms are extra)                |            |
| (a) Horizontal to vertical 7.5-115kv single arm, per pole.....   | 684        |
| (a1) Triangular to Horizontal 7.5-115kv single arm, per pole .....   | 848        |
| (a2) Vertical to Horizontal 7.5-115kv single arm, per pole .....   | 1292       |
| (b) Horizontal to vertical 7.5-115kv double arm, per pole.....   | 740        |
| (b1) Triangular to Horizontal 7.5-115kv double arm, per pole .....   | 848        |
| (b2) Vertical to Horizontal 7.5-115kv double arm, per pole .....   | 1292       |
| <b>NOTE:</b> Cost of rebonding is included in above prices.  |            |
| <b>24. Bonding, per pole:</b>  |            |
| (a) Single circuit - all voltages.....   | 207        |
| (b) Double circuit - all voltages.....   | 376        |
| <b>25. Ground wire, including protective covering.....</b>   | <b>340</b> |
| <b>26. Pole top switches (oil or open air):</b><br>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.....  | 175        |
| plus conductor, each.....  | 100        |
| (b) Bracket, triplex.....  | 112        |
| plus triplex conductor.....  | 186        |
| <b>NOTE:</b> If rack or bracket supports service drops only, omit specified line conductor cost and add Item 28.<br>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.....   | 46         |
| (b) Larger than #4 conductor.....  | 70         |
| (c) Triplex service conductors.....  | 136        |
| <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.....   | 1521       |
| (b) 30 to 167 kva, each.....   | 2183       |
| (c) Mounting brackets, two transformers.....   | 268        |
| <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.....  | 4285       |
| (b) Capacitor bank, non-switched.....  | 2918       |
| <b>31. Street lights:</b>  |            |
| (a) Center suspension type - span end.....   | 167        |
| (b) Center suspension type - feed end.....   | 308        |
| (c) Goose neck or bracket type - open wire.....  | 131        |
| (d) Goose neck or bracket type - conduit on pole.....  | 288        |
| (e) Mast arm type.....   | 415        |
| (f) Pole top pin and insulator - single.....   | 32         |
| (g) Pole top pin and insulator - double.....   | 41         |
| <b>32. Meter or time switch control box:</b><br>Price by field agreement   |            |
| <b>33. Supports:</b>   |            |
| (a) Single insulator, fiberglass.....  | 208        |
| (b) Double insulator, fiberglass.....  | 208        |
| (c) Triple insulator, fiberglass.....  | 88         |
| (d) Pole top insulator, fiberglass.....  | 208        |
| <b>34. Support, single deadend, fiberglass.....</b>  | <b>208</b> |

**ITEM**

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

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

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

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

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

**TRANSFER COSTS  
COMMUNICATION CIRCUITS**

**ITEM**

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

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

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

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

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

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

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

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

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

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

# AUTHORIZED COSTS

## ITEM

|  |           |
|--|-----------|
| <b>88. Multiple distribution wire terminal transfer.....</b>   | <b>79</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.....  | 707       |
| (b) Ready Access-24 Pair or less.....  | 458       |
| (c) Ready Access-24 Pair to 50 Pair.....   | 787       |
| <b>NOTE</b> -When necessary to use multiple distribution stub, add the following to cost above;  |           |
| (d) Multiple distribution stub for Ready Access type.....  | 444       |

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

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

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

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

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

|   |            |
|---|------------|
| <b>92. Cable risers, including pipe and molding, each:.....</b> | <b>309</b> |
|---|------------|

**93. Underground and terminal facilities:**

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

**94. Fiber Optic Splicing/Testing:**

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

|  |             |
|--|-------------|
| <b>96. Transfer Wireless Equipment:.....</b> | <b>6375</b> |
|--|-------------|

|   |             |
|---|-------------|
| <b>97. Transfer meter circuit breaker box/disconnect box.....</b> | <b>1280</b> |
|---|-------------|

**109. Transferring, raising, or lowering of communication not listed:**  
Specify under this item number the nature thereof and agreed cost.

**INSTALLATION COSTS  
GUYS AND ANCHORS**

**ITEM**

**110. Guy wire, complete make-up:**

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

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

**111. Anchors:**

|  |     |
|--|-----|
| (a) Expanding Plate (Hand Dig).....                              | 962 |
| (b) Expanding Plate (Truck Access).....                          | 519 |
| (c) PISA (Screw Anchor).....                                     | 423 |
| (d) Hydraulically Driven (Mantaray).....                         | 415 |
| (e) Concreting an anchor.....                                    | 171 |
| (f) Sale of abandoned anchor to another utility – all sizes..... | 80  |
| (g) Existing Anchor Purchase (Rear property).....                | 673 |
| (h) Existing Anchor Purchase (Street/alley).....                 | 363 |

**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.**

(Effective January 2008)

**112. Sidewalk anchor fittings:**

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

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

**115. Heel/toe bracing pole:**

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

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

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

**119. Installation of special guy equipment not listed:**

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

# AUTHORIZED COSTS

## INSTALLATION COSTS POWER CIRCUITS

### ITEM

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

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

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

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

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

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

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

**122. Insulators, including pins and hardware:**

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

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

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

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

**ITEM**

**124. Racks and brackets, secondary:**

- (a) Rack, 3 or 4 wire - direct to pole..... 102  
plus conductor, each..... 82
- (b) Bracket, Triplex..... 74  
plus Triplex conductor..... 87

**125. Secondary neutral ground assembly, complete..... 308**  
NOTE: This item is to be used only by those utilities that have executed agreements for the installation of grounds.

**126. Support:**

- (a) Single insulator, fiberglass..... 157
- (b) Double insulator, fiberglass..... 157
- (c) Triple insulator, fiberglass..... 174
- (d) Pole top insulator, fiberglass..... 157

**127. Support, single dead end, fiberglas..... 157**

**128. Insulator mounting bracket:**

- (a) Single (vertical or horizontal)..... 319
- (b) Double (vertical)..... 285
- (c) Single, over 40kv..... 651

**129. Steel crossarm, squirrel cage bracket, including insulator:**

- (a) Single..... 537
- (b) Double..... 772

**130. Double circuit side mount insulators (“Dreyfuss Sunburst”)..... 2252**

**131. Insulator assembly bracket for endarm mounting..... 453**

**132. Mounting bracket:**

- (a) Two transformers..... 198
- (b) Three transformers..... 513

NOTE: Refer to Item 120 for conductor cost.

**149. Installation of power line equipment not listed:**  
Specify under this item number the nature thereof and the agreed cost.

**INSTALLATION COSTS  
COMMUNICATION CIRCUITS**

**ITEM**

**160. Crossarms/Guard Arms: (For installation or attachment to existing with service wire only)**

- (a) Single wood service or guard arm..... 188
- (b) Double wood service or guard arm..... 263
- (c) Attach to existing arm..... No Charge

**163. Drive hook with wedge grip unit (“P” tie), either single drop or multiple drop wire, including conductor:**

- (a) Drive hook with one wedge grip unit..... 20
- (b) Additional wedge grip units on same hook, each..... 12

**164. Cable arm: (For installation or attachment to existing)**

- (a) Single arm w/ one cable..... 205
- (b) Double arm w/ one cable..... 278
- (c) Extension arm (“F” or Alley arm) w/ one cable..... 238
- (d) Additional cable (on separate messenger) on same arm..... 80
- (e) Attach to existing cable arm..... No Charge

**165. Cable attached direct to interset pole, each..... 82**

## AUTHORIZED COSTS

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### ITEM

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

## INSTALLATION COSTS FIBER OPTICS

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