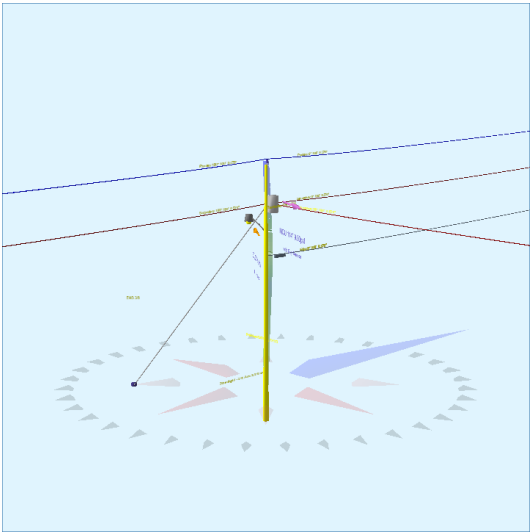


|            |                 |                         |               |                      |           |                       |                    |
|------------|-----------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93070686_P.F133 | Pole Length / Class:    | 45 / 4        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset           | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset           | Setting Depth (ft):     | 6.50          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset           | G/L Circumference (in): | 34.82         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset           | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset           | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset           | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg    | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 52.3 | 23.0        | 114.4            |
| Groundline                    | 46.3 | 0.0         | 307.0            |
| Vertical                      | 6.6  | 28.1        | 45.0             |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 16,983 | 168.8            | 114.4            |
| Groundline           | 34,217 | 336.0            | 307.0            |
| GL Allowable         | 75,750 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 225.0            |             | 18.6                               | 114.4            | 23.8                    | 60.0             |
| EHS 3/8 (Down)               |                  |                  | 31.0        | 26.8                               | 114.4            | 37.8                    | 60.0             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 336.0° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers   | -566              | -27.5            | -17,926                | -52.4              | -23.7             | -1,609                   | 285                 | 3                     | -1,606             | -23.6             |
| Comms  | 2,880             | 140.0            | 66,128                 | 193.3              | 87.3              | 5,936                    | 114                 | 1                     | 5,937              | 87.3              |
| GuyBraces  | -777              | -37.8            | -24,411                | -71.3              | -32.2             | -2,191                   | 4,506               | 47                    | -2,145             | -31.5             |
| PowerEquipments  | 72                | 3.5              | 1,844                  | 5.4                | 2.4               | 166                      | 636                 | 7                     | 172                | 2.5               |
| Pole   | 393               | 19.1             | 6,939                  | 20.3               | 9.2               | 623                      | 1,928               | 20                    | 643                | 9.5               |
| Streetlights   | 39                | 1.9              | 1,151                  | 3.4                | 1.5               | 103                      | 86                  | 1                     | 104                | 1.5               |
| Insulators   | 16                | 0.8              | 493                    | 1.4                | 0.7               | 44                       | 28                  | 0                     | 45                 | 0.7               |
| Pole Load  | 2,057             | 100.0            | 34,217                 | 100.0              | 45.2              | 3,072                    | 7,584               | 79                    | 3,150              | 46.3              |
| Pole Reserve Capacity  |                   |                  | 41,533                 |                    | 54.8              | 3,728                    |                     |                       | 3,650              | 53.7              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 336.0° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL  | -173              | -8.4             | -10,987                | -32.1              | -14.5             | -986                     | 2,213               | 23                    | -963               | -14.2             |
| AT&T   | 2,880             | 140.0            | 66,128                 | 193.3              | 87.3              | 5,936                    | 114                 | 1                     | 5,937              | 87.3              |
| <Undefined>  | -650              | -31.6            | -20,923                | -61.2              | -27.6             | -1,878                   | 5,257               | 54                    | -1,824             | -26.8             |
| Totals:  | 2,057             | 100.0            | 34,217                 | 100.0              | 45.2              | 3,072                    | 7,584               | 79                    | 3,150              | 46.3              |

Detailed Load Components:

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 39.53       | 3.34               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 56,320                  | -6                     | 481                  | 56,795                |
| Primary   | FPL | FPL   | 39.53       | 3.34               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -56,320                 | -6                     | 481                  | -55,846               |
| Secondary | FPL | FPL   | 31.97       | 5.71               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | -20,314                 | 25                     | 658                  | -19,631               |
| Secondary | FPL | FPL   | 31.97       | 5.71               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 45,546                  | -11                    | 389                  | 45,924                |
| Secondary | FPL | FPL   | 31.97       | 5.71               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -45,546                 | -11                    | 389                  | -45,168               |
| Totals:   |     |       |             |                    |                     |                      |                       |                       |                  |                  |               | -20,314                 | -10                    | 2,397                | -17,927               |

| Comm  |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Telco | AT&T | AT&T  | 22.97       | 6.23               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 32,723                  | -12                    | 279                  | 32,991                |

|       |      |      |       |      |        |      |       |       |     |       |         |        |     |     |        |
|-------|------|------|-------|------|--------|------|-------|-------|-----|-------|---------|--------|-----|-----|--------|
| Telco | AT&T | AT&T | 22.97 | 6.23 | 0.5700 | 1.19 | 0.600 | 100.0 | 0.0 | 100.0 | 1,200   | 32,723 | -12 | 426 | 33,138 |
|       |      |      |       |      |        |      |       |       |     |       | Totals: | 65,447 | -24 | 706 | 66,129 |

| PowerEquipment |           | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Height (in) | Unit Depth (in) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|----------------|-----------|-------|-------------|--------------------|--------------------|--------------------|-------------------|------------------|-----------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Transformer    | 1PH-15KVA |       | 32.00       | 20.71              | 90.0               | 90.0               | 335.00            | 34.00            | --              | 22.00              | --               | -448                   | 2,291                | 1,844                 |
|                |           |       |             |                    |                    |                    |                   |                  |                 |                    | Totals:          | -448                   | 2,291                | 1,844                 |

| Streetlight |                         | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Height (in) | Unit Depth (in) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-------------|-------------------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|------------------|-----------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| General     | Streetlight - 3 ft. Arm |       | 27.00       | 4.00               | 270.0              | 270.0              | 45.00             | 24.00            | 20.00           | 3.00               | 36.00            | 97                     | 1,055                | 1,151                 |
|             |                         |       |             |                    |                    |                    |                   |                  |                 |                    | Totals:          | 97                     | 1,055                | 1,151                 |

| Insulator |                | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|----------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Deadend   | Deadend 12.75" |       | 38.50       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | -1                     | 179                  | 178                   |
| Bolt      | Deadend 12.75" |       | 32.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 92                   | 94                    |
| Bolt      | Deadend 12.75" |       | 32.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 92                   | 91                    |
| Bolt      | Deadend 12.75" |       | 23.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 66                   | 65                    |
| Bolt      | Deadend 12.75" |       | 23.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 66                   | 65                    |
|           |                |       |             |                    |                    |                    |                   |                    | Totals:          | -2                     | 494                  | 493                   |

| Guy Wire and Brace | Owner | Attach Height (ft) | End Height (ft) | Lead/Span Length (ft) | Wire Diameter (in) | Percent Solid (%) | Lead Angle (deg) | Incline Angle (deg) | Wire Weight (lbs/ft) | Rest Length (ft) | Stretch Length (in) |
|--------------------|-------|--------------------|-----------------|-----------------------|--------------------|-------------------|------------------|---------------------|----------------------|------------------|---------------------|
| EHS 3/8            | Down  | 31.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 225.0            | 53.3                | 0.273                | 36.91            | 0.86                |

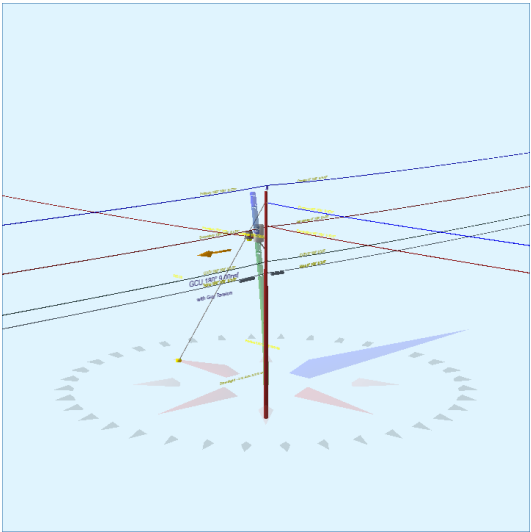
| Guy Wire and Brace<br>(Loads and Reactions) | Elastic<br>Modulus<br>(psi) | Rated<br>Tensile<br>Strength<br>(lbs) | Guy<br>Strength<br>Factor | Allowable<br>Tension<br>(lbs) | Initial<br>Tension<br>(lbs) | Loaded<br>Tension*2<br>(lbs) | Maximum<br>Tension²<br>(lbs) | Applied<br>Tension³<br>(lbs) | Vertical<br>Load<br>(lbs) | Shear Load<br>In Guy Dir<br>(lbs) | Shear Load<br>At Report<br>Angle<br>(lbs) | Moment at<br>GL³<br>(ft-lb) |         |
|---|-----------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|---------------------------|-----------------------------------|---|-----------------------------|---------|
| EHS 3/8                                     | Down                        | 2.30e+7                               | 15,400                    | 0.90                          | 13,860                      | 700                          | 5,233                        | 4,757                        | 3,717                     | 2,978                             | 2,224                                     | -796                        | -24,411 |
|   |                             |                                       |                           |                               |                             |                              |                              |                              | Totals:                   | 2,978                             | 2,224                                     | -796                        | -24,411 |

| Anchor/Rod Load Summary | Owner | Rod Length AGL (in) | Lead Length (ft) | Lead Angle (deg) | Strength of Assembly (lbs) | Anchor/Rod Strength Factor | Allowable Load (lbs) | Max Load² (lbs) | Load at Pole MCU³ (lbs) | Max Required Capacity² (%) |
|-------------------------|-------|---------------------|------------------|------------------|----------------------------|----------------------------|----------------------|-----------------|-------------------------|----------------------------|
| Single Helix Anchor     |       | 18.00               | 23.00            | 225.0            | 20,000                     | 1.00                       | 20,000               | 4,757           | 3,717                   | 23.8                       |

| Pole Buckling     |                              |  |                                |                                      |                      |                     |                             |                    |                   |                      |  |                                       |                                |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
| 0.71              | 28.09                        | 34.34  | 9.98                           | 13.75                                | 6.69                 | 11.09               | 1.60e+6                     | 60.00              | 57.00             | 38.50                | 115,070                                | 1149.07                               | 15.15                          |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |

|            |                   |                         |               |                      |           |                       |                    |
|------------|-------------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93072583_P.OPP109 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Junction           |
| Aux Data 1 | Unset             | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset             | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset             | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset             | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset             | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset             | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg      | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 27.8 | 0.0         | 180.0            |
| Groundline                    | 27.8 | 0.0         | 180.0            |
| Vertical                      | 9.1  | 27.8        | 90.0             |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 14,210 | 184.3            | 180.0            |
| Groundline           | 14,210 | 184.3            | 180.0            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 270.0            |             | 14.4                               | 180.0            | 18.3                    | 87.2             |
| EHS 3/8 (Down)               |                  |                  | 32.0        | 20.8                               | 180.0            | 29.1                    | 87.2             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

**Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 184.3°**

|                       | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
|-----------------------|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
| Powers                | -5                | -0.7             | -779                   | -5.5               | -1.5              | -99                      | 399                 | 5                     | -94                | -1.4              |
| Comms                 | 0                 | 0.0              | -12                    | -0.1               | 0.0               | -2                       | 342                 | 4                     | 3                  | 0.0               |
| GuyBraces             | 134               | 21.0             | 4,342                  | 30.6               | 8.1               | 552                      | 3,534               | 46                    | 599                | 8.8               |
| PowerEquipments       | 82                | 12.8             | 3,283                  | 23.1               | 6.1               | 418                      | 636                 | 8                     | 426                | 6.3               |
| Pole                  | 354               | 55.5             | 5,538                  | 39.0               | 10.4              | 705                      | 1,364               | 18                    | 722                | 10.6              |
| Streetlights          | 45                | 7.0              | 1,086                  | 7.6                | 2.0               | 138                      | 86                  | 1                     | 139                | 2.0               |
| Insulators            | 28                | 4.4              | 752                    | 5.3                | 1.4               | 96                       | 46                  | 1                     | 96                 | 1.4               |
| Pole Load             | 638               | 100.0            | 14,210                 | 100.0              | 26.6              | 1,808                    | 6,407               | 84                    | 1,892              | 27.8              |
| Pole Reserve Capacity |                   |                  | 39,242                 |                    | 73.4              | 4,992                    |                     |                       | 4,908              | 72.2              |

**Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 184.3°**

|                | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
|----------------|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
| FPL            | 350               | 54.8             | 4,760                  | 33.5               | 8.9               | 606                      | 1,763               | 23                    | 629                | 9.2               |
| CATV           | 0                 | 0.0              | -4                     | 0.0                | 0.0               | -1                       | 114                 | 1                     | 1                  | 0.0               |
| AT&T           | 0                 | 0.0              | -8                     | -0.1               | 0.0               | -1                       | 228                 | 3                     | 2                  | 0.0               |
| <Undefined>    | 289               | 45.2             | 9,463                  | 66.6               | 17.7              | 1,204                    | 4,301               | 56                    | 1,260              | 18.5              |
| <b>Totals:</b> | 638               | 100.0            | 14,210                 | 100.0              | 26.6              | 1,808                    | 6,407               | 84                    | 1,892              | 27.8              |

**Detailed Load Components:**

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 35.03       | 3.02               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | -54,496                 | -1                     | 0                    | -54,497               |
| Primary   | FPL | FPL   | 35.03       | 3.02               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 54,496                  | -1                     | 0                    | 54,495                |
| Primary   | FPL | FPL   | 31.97       | 5.14               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | -3,721                  | -24                    | 1,192                | -2,553                |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | -3,255                  | -25                    | 1,043                | -2,237                |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | -43,509                 | -2                     | 0                    | -43,511               |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 43,509                  | -2                     | 0                    | 43,507                |
| Secondary | FPL | FPL   | 25.97       | 5.47               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 270.0            | 100.0            | 1,200         | 3,022                   | 26                     | 969                  | 4,017                 |
| Totals:   |     |       |             |                    |                     |                      |                       |                       |                  |                  | -3,953        | -30                     | 3,204                  | -779                 |                       |

| Comm    |      | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Cable<br>Diameter<br>(in) | Sag at<br>Max<br>Temp<br>(ft) | Cable<br>Weight<br>(lbs/ft) | Lead/Span<br>Length<br>(ft) | Span<br>Angle<br>(deg) | Wire<br>Length<br>(ft) | Tension<br>(lbs) | Tension<br>Moment*<br>(ft-lb) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment<br>at GL*<br>(ft-lb) |
|---------|------|-------|----------------|--------------------------|---------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------|------------------------|------------------|-------------------------------|------------------------------|----------------------------|-----------------------------|
| CATV    | CATV | CATV  | 21.97          | 5.70                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -34,175                       | -2                           | 0                          | -34,177                     |
| CATV    | CATV | CATV  | 21.97          | 5.70                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 34,175                        | -2                           | 0                          | 34,173                      |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -31,064                       | -2                           | 0                          | -31,066                     |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 31,064                        | -2                           | 0                          | 31,062                      |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -31,064                       | -2                           | 0                          | -31,066                     |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 31,064                        | -2                           | 0                          | 31,062                      |
| Totals: |      |       |                |                          |                           |                               |                             |                             |                        |                        |                  | 0                             | -12                          | 0                          | -12                         |

| PowerEquipment |           | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Height<br>(in) | Unit<br>Depth<br>(in) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment<br>at GL*<br>(ft-lb) |
|----------------|-----------|-------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-----------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| Transformer    | 1PH-15KVA |       | 27.00          | 20.42                    | 180.0                    | 180.0                    | 335.00                  | 34.00                  | --                    | 22.00                    | --                     | 1,080                        | 2,203                      | 3,283                       |
| Totals:        |           |       |                |                          |                          |                          |                         |                        |                       |                          |                        | 1,080                        | 2,203                      | 3,283                       |

| Streetlight |                         | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Height<br>(in) | Unit<br>Depth<br>(in) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment<br>at GL*<br>(ft-lb) |
|-------------|-------------------------|-------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-----------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| General     | Streetlight - 3 ft. Arm |       | 24.00          | 3.59                     | 270.0                    | 270.0                    | 45.00                   | 24.00                  | 20.00                 | 3.00                     | 36.00                  | 18                           | 1,068                      | 1,086                       |
| Totals:     |                         |       |                |                          |                          |                          |                         |                        |                       |                          |                        | 18                           | 1,068                      | 1,086                       |

| Insulator |                | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment at<br>GL*<br>(ft-lb) |
|-----------|----------------|-------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| Deadend   | Deadend 12.75" |       | 34.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 3.80                     | 12.75                  | 0                            | 180                        | 180                         |
| Bolt      | Deadend 12.75" |       | 32.00          | 0.00                     | 0.0                      | 0.0                      | 3.00                    | 2.00                     | 15.00                  | -2                           | 105                        | 102                         |
| Bolt      | Deadend 12.75" |       | 28.00          | 0.00                     | 0.0                      | 0.0                      | 3.00                    | 2.00                     | 15.00                  | -3                           | 92                         | 89                          |
| Bolt      | Deadend 12.75" |       | 28.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 0                            | 92                         | 91                          |
| Bolt      | Deadend 12.75" |       | 26.00          | 0.00                     | 180.0                    | 180.0                    | 3.00                    | 2.00                     | 15.00                  | 3                            | 85                         | 88                          |
| Bolt      | Deadend 12.75" |       | 22.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 0                            | 72                         | 72                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 0                            | 65                         | 65                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 0                            | 65                         | 65                          |
|           |                |       |                |                          |                          |                          |                         |                          | Totals:                | -3                           | 756                        | 752                         |

| Guy Wire and Brace |      | Owner | Attach<br>Height<br>(ft) | End Height<br>(ft) | Lead/Span<br>Length<br>(ft) | Wire<br>Diameter<br>(in) | Percent<br>Solid<br>(%) | Lead Angle<br>(deg) | Incline<br>Angle<br>(deg) | Wire Weight<br>(lbs/ft) | Rest Length<br>(ft) | Stretch<br>Length<br>(in) |
|--------------------|------|-------|--------------------------|--------------------|-----------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|---------------------|---------------------------|
| EHS 3/8            | Down |       | 32.00                    | 0.00               | 23.00                       | 0.375                    | 75.00                   | 270.0               | 54.1                      | 0.273                   | 37.76               | 0.69                      |



| Guy Wire and Brace<br>(Loads and Reactions) |      | Elastic<br>Modulus<br>(psi) | Rated<br>Tensile<br>Strength<br>(lbs) | Guy<br>Strength<br>Factor | Allowable<br>Tension<br>(lbs) | Initial<br>Tension<br>(lbs) | Loaded<br>Tension* <sup>2</sup><br>(lbs) | Maximum<br>Tension <sup>2</sup><br>(lbs) | Applied<br>Tension <sup>3</sup><br>(lbs) | Vertical<br>Load<br>(lbs) | Shear Load<br>In Guy Dir<br>(lbs) | Shear Load<br>At Report<br>Angle<br>(lbs) | Moment at<br>GL <sup>3</sup><br>(ft-lb) |
|---|------|-----------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------------|--|--|--|---------------------------|-----------------------------------|---|---|
| EHS 3/8                                     | Down | 2.30e+7                     | 15,400                                | 0.90                      | 13,860                        | 700                         | 4,035                                    | 3,668                                    | 2,884                                    | 2,337                     | 1,690                             | 126                                       | 4,342                                   |
|   |      |                             |                                       |                           |                               |                             |  |  | Totals:                                  | 2,337                     | 1,690                             | 126                                       | 4,342                                   |

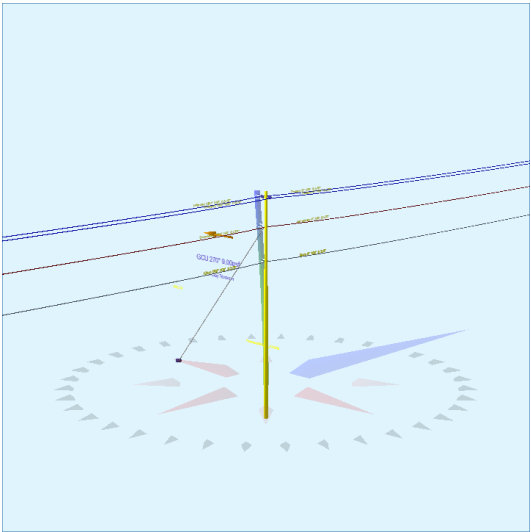
| Anchor/Rod Load Summary | Owner | Rod Length<br>AGL<br>(in) | Lead Length<br>(ft) | Lead Angle<br>(deg) | Strength of<br>Assembly<br>(lbs) | Anchor/Rod<br>Strength<br>Factor | Allowable<br>Load<br>(lbs) | Max Load <sup>2</sup><br>(lbs) | Load at Pole<br>MCU <sup>3</sup><br>(lbs) | Max<br>Required<br>Capacity <sup>2</sup> (%) |
|-------------------------|-------|---------------------------|---------------------|---------------------|----------------------------------|----------------------------------|----------------------------|--------------------------------|---|--|
| Single Helix Anchor     |       | 18.00                     | 23.00               | 270.0               | 20,000                           | 1.00                             | 20,000                     | 3,668                          | 2,884                                     | 18.3   |

| Pole Buckling        |                                       |  |   |  |                            |                           |                                   |                          |                      |                            |  |   |                                      |
|----------------------|---------------------------------------|--|---|--|----------------------------|---------------------------|-----------------------------------|--------------------------|----------------------|----------------------------|--|---|--------------------------------------|
| Buckling<br>Constant | Buckling<br>Column<br>Height*<br>(ft) | Buckling<br>Section<br>Height<br>(% Buckling<br>Col. Hgt.) | Buckling<br>Section<br>Diameter<br>(in) | Minimum<br>Buckling<br>Diameter at<br>GL<br>(in) | Diameter at<br>Tip<br>(in) | Diameter at<br>GL<br>(in) | Modulus of<br>Elasticity<br>(psi) | Pole<br>Density<br>(pcf) | Ice Density<br>(pcf) | Pole Tip<br>Height<br>(ft) | Buckling<br>Load<br>Capacity at<br>Height<br>(lbs) | Buckling<br>Load<br>Applied at<br>Height<br>(lbs) | Buckling<br>Load Factor<br>of Safety |
| 0.71                 | 27.83                                 | 34.75  | 8.78                                    | 12.54  | 6.05                       | 9.87                      | 1.60e+6                           | 60.00                    | 57.00                | 34.00                      | 70,272   | 704.02  | 10.99                                |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |



|            |                  |                         |               |                      |           |                       |                    |
|------------|------------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93082888_P.F3288 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset            | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset            | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset            | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset            | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset            | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset            | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg     |                         | Longitude:    | 0.000000 Deg         |           | Elevation:            | 0 Feet             |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 30.8 | 0.0         | 270.0            |
| Groundline                    | 30.8 | 0.0         | 270.0            |
| Vertical                      | 1.2  | 19.6        | 90.0             |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 16,285 | 270.0            | 270.0            |
| Groundline           | 16,285 | 270.0            | 270.0            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 270.0            |             | 0.0                                | 270.0            | 4.2                     | 90.0             |
| EHS 3/8 (Down)               |                  |                  | 28.0        | 0.0                                | 270.0            | 6.7                     | 90.0             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 270.0° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers   | 224               | 29.9             | 6,974                  | 42.8               | 13.1              | 887                      | 342                 | 4                     | 892                | 13.1              |
| Comms  | 150               | 20.0             | 3,179                  | 19.5               | 6.0               | 404                      | 228                 | 3                     | 407                | 6.0               |
| GuyBraces  | 0                 | 0.0              | 0                      | 0.0                | 0.0               | 0                        | 7                   | 0                     | 0                  | 0.0               |
| Pole   | 355               | 47.4             | 5,554                  | 34.1               | 10.4              | 707                      | 1,364               | 18                    | 724                | 10.7              |
| Insulators   | 20                | 2.7              | 578                    | 3.6                | 1.1               | 74                       | 28                  | 0                     | 74                 | 1.1               |
| Pole Load  | 750               | 100.0            | 16,285                 | 100.0              | 30.5              | 2,072                    | 1,969               | 26                    | 2,098              | 30.8              |
| Pole Reserve Capacity  |                   |                  | 37,167                 |                    | 69.5              | 4,728                    |                     |                       | 4,702              | 69.2              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 270.0° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL  | 580               | 77.3             | 12,528                 | 76.9               | 23.4              | 1,594                    | 1,706               | 22                    | 1,616              | 23.8              |
| AT&T   | 150               | 20.0             | 3,179                  | 19.5               | 6.0               | 404                      | 228                 | 3                     | 407                | 6.0               |
| <Undefined>  | 20                | 2.7              | 578                    | 3.6                | 1.1               | 74                       | 35                  | 0                     | 74                 | 1.1               |
| Totals:  | 750               | 100.0            | 16,285                 | 100.0              | 30.5              | 2,072                    | 1,969               | 26                    | 2,098              | 30.8              |

Detailed Load Components:

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | -15                    | 1,233                | 1,219                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | -15                    | 1,233                | 1,219                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | 15                     | 1,233                | 1,248                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | 15                     | 1,233                | 1,248                 |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | -25                    | 1,046                | 1,021                 |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | -25                    | 1,046                | 1,021                 |
| Totals:   |     |       |             |                    |                     |                      |                       |                       |                  |                  |               | 0                       | -51                    | 7,025                | 6,974                 |

| Comm  |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Telco | AT&T | AT&T  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | -27                    | 822                  | 795                   |
| Telco | AT&T | AT&T  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | -27                    | 822                  | 795                   |
| Telco | AT&T | AT&T  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | -27                    | 822                  | 795                   |

|       |      |      |       |      |        |      |       |       |       |       |         |   |      |       |       |
|-------|------|------|-------|------|--------|------|-------|-------|-------|-------|---------|---|------|-------|-------|
| Telco | AT&T | AT&T | 21.97 | 5.70 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200   | 0 | -27  | 822   | 795   |
|       |      |      |       |      |        |      |       |       |       |       | Totals: | 0 | -108 | 3,287 | 3,179 |

| Insulator |                | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|----------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | -8                     | 175                  | 167                   |
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 270.0              | 270.0              | 3.00              | 3.80               | 12.75            | 8                      | 175                  | 182                   |
| Bolt      | Deadend 12.75" |       | 28.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 92                   | 89                    |
| Bolt      | Deadend 12.75" |       | 22.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 72                   | 69                    |
| Bolt      | Deadend 12.75" |       | 22.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 72                   | 69                    |
|           |                |       |             |                    |                    |                    |                   |                    | Totals:          | -8                     | 586                  | 578                   |

| Guy Wire and Brace |      | Owner | Attach Height (ft) | End Height (ft) | Lead/Span Length (ft) | Wire Diameter (in) | Percent Solid (%) | Lead Angle (deg) | Incline Angle (deg) | Wire Weight (lbs/ft) | Rest Length (ft) | Stretch Length (in) |
|--------------------|------|-------|--------------------|-----------------|-----------------------|--------------------|-------------------|------------------|---------------------|----------------------|------------------|---------------------|
| EHS 3/8            | Down |       | 28.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 270.0            | 50.4                | 0.273                | 34.56            | 0.00                |

| Guy Wire and Brace (Loads and Reactions) |      | Elastic Modulus (psi) | Rated Tensile Strength (lbs) | Guy Strength Factor | Allowable Tension (lbs) | Initial Tension (lbs) | Loaded Tension*2 (lbs) | Maximum Tension² (lbs) | Applied Tension³ (lbs) | Vertical Load (lbs) | Shear Load In Guy Dir (lbs) | Shear Load At Report Angle (lbs) | Moment at GL³ (ft-lb) |
|--|------|-----------------------|------------------------------|---------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|---------------------|-----------------------------|----------------------------------|-----------------------|
| EHS 3/8                                  | Down | 2.30e+7               | 15,400                       | 0.90                | 13,860                  | 700                   | 925                    | 841                    | 0                      | 0                   | 0                           | 0                                | 0                     |
|  |      |                       |                              |                     |                         |                       |                        |                        |                        | Totals:             | 0                           | 0                                | 0                     |

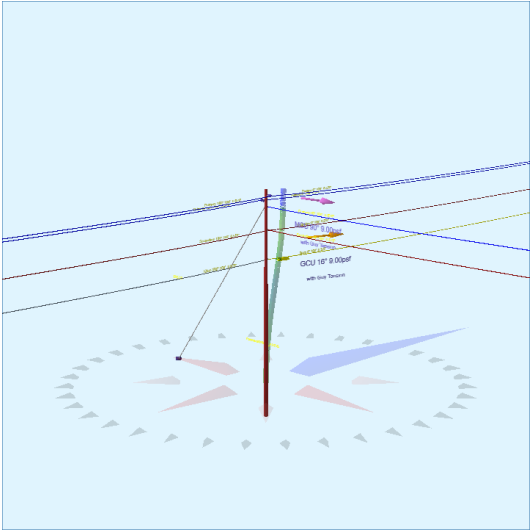
| Anchor/Rod Load Summary |  | Owner | Rod Length AGL (in) | Lead Length (ft) | Lead Angle (deg) | Strength of Assembly (lbs) | Anchor/Rod Strength Factor | Allowable Load (lbs) | Max Load² (lbs) | Load at Pole MCU³ (lbs) | Max Required Capacity² (%) |
|-------------------------|--|-------|---------------------|------------------|------------------|----------------------------|----------------------------|----------------------|-----------------|-------------------------|----------------------------|
| Single Helix Anchor     |  |       | 18.00               | 23.00            | 270.0            | 20,000                     | 1.00                       | 20,000               | 841             | 0                       | 4.2                        |

| Pole Buckling     |                              |  |                                |                                      |                      |                     |                             |                    |                   |                      |  |                                       |                                |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
| 0.71              | 19.58                        | 33.34  | 9.13                           | 6.02                                 | 6.05                 | 9.87                | 1.60e+6                     | 60.00              | 57.00             | 34.00                | 166,224                                | 1641.24                               | 83.33                          |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |



|            |                  |                         |               |                      |           |                       |                    |
|------------|------------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93100027_P.F3745 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset            | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset            | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset            | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset            | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset            | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset            | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg     | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) | Height (ft) | Wind Angle (deg) |
|-------------------------------|-------------|------------------|
| Maximum                       | 37.2        | 27.0             |
| Groundline                    | 22.5        | 0.0              |
| Vertical                      | 11.7        | 28.6             |

| Pole Moments (ft-lb) | Load Angle (deg) | Wind Angle (deg) |
|----------------------|------------------|------------------|
| Max Cap Util         | 6,114            | 270.5            |
| Groundline           | 11,258           | 41.5             |
| GL Allowable         | 53,452           |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 270.0            |             | 23.5                               | 90.0             | 26.0                    | 90.0             |
| EHS 3/8 (Down)               |                  |                  | 31.0        | 33.9                               | 90.0             | 41.2                    | 90.0             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 41.5° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|---|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|   | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers  | 2,160             | 315.3            | 62,712                 | 557.1              | 117.3             | 7,978                    | 456                 | 6                     | 7,984              | 117.4             |
| Comms   | 17                | 2.5              | 410                    | 3.6                | 0.8               | 52                       | 114                 | 1                     | 54                 | 0.8               |
| GuyBraces   | -1,834            | -267.6           | -57,503                | -510.8             | -107.6            | -7,316                   | 5,692               | 74                    | -7,241             | -106.5            |
| Pole  | 320               | 46.7             | 5,005                  | 44.5               | 9.4               | 637                      | 1,364               | 18                    | 655                | 9.6               |
| Insulators  | 21                | 3.1              | 634                    | 5.6                | 1.2               | 81                       | 34                  | 0                     | 81                 | 1.2               |
| Pole Load   | 685               | 100.0            | 11,258                 | 100.0              | 21.1              | 1,432                    | 7,661               | 100                   | 1,532              | 22.5              |
| Pole Reserve Capacity   |                   |                  | 42,194                 |                    | 78.9              | 5,368                    |                     |                       | 5,268              | 77.5              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 41.5° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|---|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|   | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL   | 2,480             | 362.0            | 67,718                 | 601.5              | 126.7             | 8,615                    | 1,820               | 24                    | 8,639              | 127.0             |
| AT&T  | 17                | 2.5              | 410                    | 3.6                | 0.8               | 52                       | 114                 | 1                     | 54                 | 0.8               |
| <Undefined>   | -1,812            | -264.5           | -56,869                | -505.2             | -106.4            | -7,235                   | 5,726               | 75                    | -7,160             | -105.3            |
| Totals:   | 685               | 100.0            | 11,258                 | 100.0              | 21.1              | 1,432                    | 7,661               | 100                   | 1,532              | 22.5              |

Detailed Load Components:

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 38,543                  | 10                     | 222                  | 38,775                |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -38,543                 | 10                     | 222                  | -38,311               |
| Primary   | FPL | FPL   | 31.97       | 15.89              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 37,374                  | -10                    | 215                  | 37,579                |
| Primary   | FPL | FPL   | 31.97       | 15.89              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -37,374                 | -10                    | 215                  | -37,168               |
| Primary   | FPL | FPL   | 30.97       | 5.19               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | 31,987                  | 18                     | 835                  | 32,840                |
| Secondary | FPL | FPL   | 26.97       | 5.42               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | 27,855                  | 19                     | 728                  | 28,602                |
| Secondary | FPL | FPL   | 26.97       | 5.42               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 31,528                  | 17                     | 182                  | 31,727                |
| Secondary | FPL | FPL   | 26.97       | 5.42               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -31,528                 | 17                     | 182                  | -31,330               |
|           |     |       |             |                    |                     |                      |                       |                       |                  |                  | Totals:       | 59,842                  | 71                     | 2,801                | 62,714                |

| Comm  |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Telco | AT&T | AT&T  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 25,683                  | 18                     | 226                  | 25,927                |

|       |      |      |       |      |        |      |       |       |       |       |         |         |    |     |         |
|-------|------|------|-------|------|--------|------|-------|-------|-------|-------|---------|---------|----|-----|---------|
| Telco | AT&T | AT&T | 21.97 | 5.70 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200   | -25,683 | 18 | 148 | -25,517 |
|       |      |      |       |      |        |      |       |       |       |       | Totals: | 0       | 36 | 374 | 410     |

| Insulator |                | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|----------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | 5                      | 158                  | 163                   |
| Deadend   | Deadend 12.75" |       | 32.00       | 0.00               | 270.0              | 270.0              | 3.00              | 3.80               | 12.75            | -5                     | 153                  | 148                   |
| Bolt      | Deadend 12.75" |       | 31.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 92                   | 94                    |
| Bolt      | Deadend 12.75" |       | 27.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 80                   | 82                    |
| Bolt      | Deadend 12.75" |       | 27.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | 2                      | 80                   | 82                    |
| Bolt      | Deadend 12.75" |       | 22.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | 2                      | 65                   | 67                    |
|           |                |       |             |                    |                    |                    |                   |                    | Totals:          | 7                      | 627                  | 634                   |

| Guy Wire and Brace |      | Owner | Attach Height (ft) | End Height (ft) | Lead/Span Length (ft) | Wire Diameter (in) | Percent Solid (%) | Lead Angle (deg) | Incline Angle (deg) | Wire Weight (lbs/ft) | Rest Length (ft) | Stretch Length (in) |
|--------------------|------|-------|--------------------|-----------------|-----------------------|--------------------|-------------------|------------------|---------------------|----------------------|------------------|---------------------|
| EHS 3/8            | Down |       | 31.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 270.0            | 53.3                | 0.273                | 36.94            | 1.09                |

| Guy Wire and Brace<br>(Loads and Reactions) |      | Elastic<br>Modulus<br>(psi) | Rated<br>Tensile<br>Strength<br>(lbs) | Guy<br>Strength<br>Factor | Allowable<br>Tension<br>(lbs) | Initial<br>Tension<br>(lbs) | Loaded<br>Tension*2<br>(lbs) | Maximum<br>Tension²<br>(lbs) | Applied<br>Tension³<br>(lbs) | Vertical<br>Load<br>(lbs) | Shear Load<br>In Guy Dir<br>(lbs) | Shear Load<br>At Report<br>Angle<br>(lbs) | Moment at<br>GL³<br>(ft-lb) |
|---|------|-----------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|---------------------------|-----------------------------------|---|-----------------------------|
| EHS 3/8                                     | Down | 2.30e+7                     | 15,400                                | 0.90                      | 13,860                        | 700                         | 5,712                        | 5,193                        | 4,700                        | 3,766                     | 2,812                             | -1,862                                    | -57,505                     |
|   |      |                             |                                       |                           |                               |                             |                              |                              | Totals:                      | 3,766                     | 2,812                             | -1,862                                    | -57,505                     |

| Anchor/Rod Load Summary |  | Owner | Rod Length AGL (in) | Lead Length (ft) | Lead Angle (deg) | Strength of Assembly (lbs) | Anchor/Rod Strength Factor | Allowable Load (lbs) | Max Load² (lbs) | Load at Pole MCU³ (lbs) | Max Required Capacity² (%) |
|-------------------------|--|-------|---------------------|------------------|------------------|----------------------------|----------------------------|----------------------|-----------------|-------------------------|----------------------------|
| Single Helix Anchor     |  |       | 18.00               | 23.00            | 270.0            | 20,000                     | 1.00                       | 20,000               | 5,193           | 4,700                   | 26.0                       |

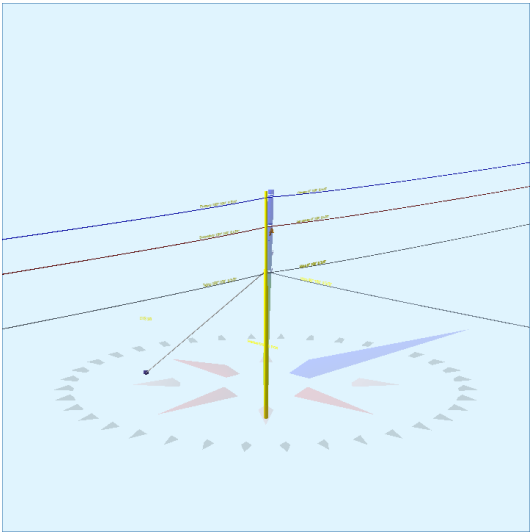
| Pole Buckling     |                              |  |                                |                                      |                      |                     |                             |                    |                   |                      |  |                                       |                                |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
| 0.71              | 28.57                        | 34.88  | 8.75                           | 13.88                                | 6.05                 | 9.87                | 1.60e+6                     | 60.00              | 57.00             | 34.00                | 65,656                                 | 654.76                                | 8.55                           |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole |        |                       |
| 1/27/2021  |        | General Description   |



General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party.

|            |                |                         |               |                      |           |                       |                    |
|------------|----------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93100080_P.F29 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset          | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset          | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset          | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset          | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset          | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset          | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg   | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 44.3 | 0.0         | 319.3            |
| Groundline                    | 44.3 | 0.0         | 319.3            |
| Vertical                      | 2.3  | 19.1        | 65.0             |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 23,239 | 339.2            | 319.3            |
| Groundline           | 23,239 | 339.2            | 319.3            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 245.0            |             | 11.3                               | 319.3            | 17.1                    | 80.0             |
| EHS 3/8 (Down)               |                  |                  | 20.0        | 16.4                               | 319.3            | 27.1                    | 80.0             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 339.2° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers   | 35                | 2.8              | 1,029                  | 4.4                | 1.9               | 131                      | 228                 | 3                     | 134                | 2.0               |
| Comms  | 956               | 78.3             | 19,084                 | 82.1               | 35.7              | 2,428                    | 228                 | 3                     | 2,431              | 35.7              |
| GuyBraces  | -117              | -9.6             | -2,368                 | -10.2              | -4.4              | -301                     | 2,256               | 30                    | -272               | -4.0              |
| Pole   | 334               | 27.4             | 5,223                  | 22.5               | 9.8               | 665                      | 1,364               | 18                    | 682                | 10.0              |
| Insulators   | 12                | 1.0              | 271                    | 1.2                | 0.5               | 34                       | 28                  | 0                     | 35                 | 0.5               |
| Pole Load  | 1,220             | 100.0            | 23,239                 | 100.0              | 43.5              | 2,956                    | 4,105               | 54                    | 3,010              | 44.3              |
| Pole Reserve Capacity  |                   |                  | 30,213                 |                    | 56.5              | 3,844                    |                     |                       | 3,790              | 55.7              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 339.2° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL  | 369               | 30.2             | 6,252                  | 26.9               | 11.7              | 795                      | 1,592               | 21                    | 816                | 12.0              |
| AT&T   | 956               | 78.3             | 19,084                 | 82.1               | 35.7              | 2,428                    | 228                 | 3                     | 2,431              | 35.7              |
| <Undefined>  | -104              | -8.5             | -2,097                 | -9.0               | -3.9              | -267                     | 2,285               | 30                    | -237               | -3.5              |
| Totals:  | 1,220             | 100.0            | 23,239                 | 100.0              | 43.5              | 2,956                    | 4,105               | 54                    | 3,010              | 44.3              |

Detailed Load Components:

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 32.97       | 3.08               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 48,070                  | -5                     | 286                  | 48,350                |
| Primary   | FPL | FPL   | 32.97       | 3.08               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -48,070                 | -5                     | 286                  | -47,789               |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 40,779                  | -9                     | 243                  | 41,013                |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -40,779                 | -9                     | 243                  | -40,546               |
| Totals:   |     |       |             |                    |                     |                      |                       |                       |                  |                  | 0             | -29                     | 1,057                  | 1,029                |                       |

| Comm    |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|---------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 29,115                  | -10                    | 173                  | 29,278                |
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 29,115                  | -10                    | 173                  | 29,278                |
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -29,115                 | -10                    | 173                  | -28,952               |
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | -11,076                 | 26                     | 529                  | -10,521               |
| Totals: |      |       |             |                    |                     |                      |                       |                       |                  |                  | 18,039        | -4                      | 1,049                  | 19,084               |                       |

| Insulator |                | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment at<br>GL*<br>(ft-lb) |
|-----------|----------------|-------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| Deadend   | Deadend 12.75" |       | 33.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 3.80                     | 0.00                   | -1                           | 0                          | -1                          |
| Bolt      | Deadend 12.75" |       | 28.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | -1                           | 86                         | 85                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | -1                           | 62                         | 61                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | -1                           | 62                         | 61                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 0.0                      | 0.0                      | 3.00                    | 2.00                     | 15.00                  | 3                            | 62                         | 64                          |
| Totals:   |                |       |                |                          |                          |                          |                         |                          |                        | -1                           | 272                        | 271                         |

| Guy Wire and Brace |      | Owner | Attach<br>Height<br>(ft) | End Height<br>(ft) | Lead/Span<br>Length<br>(ft) | Wire<br>Diameter<br>(in) | Percent<br>Solid<br>(%) | Lead Angle<br>(deg) | Incline<br>Angle<br>(deg) | Wire Weight<br>(lbs/ft) | Rest Length<br>(ft) | Stretch<br>Length<br>(in) |
|--------------------|------|-------|--------------------------|--------------------|-----------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|---------------------|---------------------------|
| EHS 3/8            | Down |       | 20.00                    | 0.00               | 23.00                       | 0.375                    | 75.00                   | 245.0               | 40.9                      | 0.273                   | 28.74               | 0.41                      |

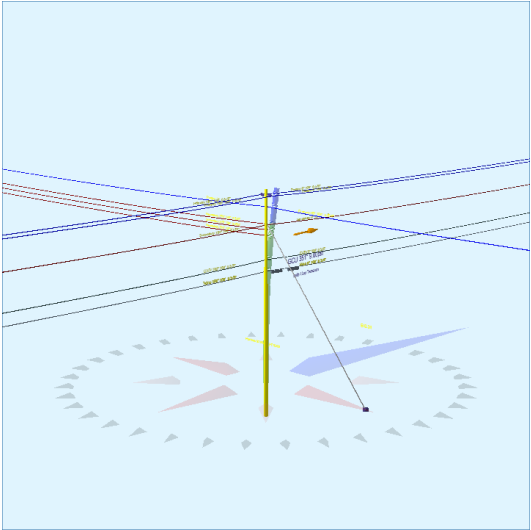
| Guy Wire and Brace<br>(Loads and Reactions) |      | Elastic<br>Modulus<br>(psi) | Rated<br>Tensile<br>Strength<br>(lbs) | Guy<br>Strength<br>Factor | Allowable<br>Tension<br>(lbs) | Initial<br>Tension<br>(lbs) | Loaded<br>Tension* <sup>2</sup><br>(lbs) | Maximum<br>Tension <sup>2</sup><br>(lbs) | Applied<br>Tension <sup>3</sup><br>(lbs) | Vertical<br>Load<br>(lbs) | Shear Load<br>In Guy Dir<br>(lbs) | Shear Load<br>At Report<br>Angle<br>(lbs) | Moment at<br>GL <sup>3</sup><br>(ft-lb) |
|---|------|-----------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------------|--|--|--|---------------------------|-----------------------------------|---|---|
| EHS 3/8                                     | Down | 2.30e+7                     | 15,400                                | 0.90                      | 13,860                        | 700                         | 3,755                                    | 3,414                                    | 2,269                                    | 1,485                     | 1,715                             | -125                                      | -2,368                                  |
| Totals:                                     |      |                             |                                       |                           |                               |                             |  |  |  | 1,485                     | 1,715                             | -125                                      | -2,368                                  |

| Anchor/Rod Load Summary |  | Owner | Rod Length<br>AGL<br>(in) | Lead Length<br>(ft) | Lead Angle<br>(deg) | Strength of<br>Assembly<br>(lbs) | Anchor/Rod<br>Strength<br>Factor | Allowable<br>Load<br>(lbs) | Max Load <sup>2</sup><br>(lbs) | Load at Pole<br>MCU <sup>3</sup><br>(lbs) | Max<br>Required<br>Capacity <sup>2</sup> (%) |
|-------------------------|--|-------|---------------------------|---------------------|---------------------|----------------------------------|----------------------------------|----------------------------|--------------------------------|---|--|
| Single Helix Anchor     |  |       | 18.00                     | 23.00               | 245.0               | 20,000                           | 1.00                             | 20,000                     | 3,414                          | 2,269                                     | 17.1   |

| Pole Buckling        |                                       |  |   |  |                            |                           |                                   |                          |                      |                            |  |   |                                      |
|----------------------|---------------------------------------|--|---|--|----------------------------|---------------------------|-----------------------------------|--------------------------|----------------------|----------------------------|--|---|--------------------------------------|
| Buckling<br>Constant | Buckling<br>Column<br>Height*<br>(ft) | Buckling<br>Section<br>Height<br>(% Buckling<br>Col. Hgt.) | Buckling<br>Section<br>Diameter<br>(in) | Minimum<br>Buckling<br>Diameter at<br>GL<br>(in) | Diameter at<br>Tip<br>(in) | Diameter at<br>GL<br>(in) | Modulus of<br>Elasticity<br>(psi) | Pole<br>Density<br>(pcf) | Ice Density<br>(pcf) | Pole Tip<br>Height<br>(ft) | Buckling<br>Load<br>Capacity at<br>Height<br>(lbs) | Buckling<br>Load<br>Applied at<br>Height<br>(lbs) | Buckling<br>Load Factor<br>of Safety |
| 0.71                 | 19.14                                 | 33.27  | 9.15                                    | 8.44   | 6.05                       | 9.87                      | 1.60e+6                           | 60.00                    | 57.00                | 34.00                      | 175,218  | 1784.95   | 43.48                                |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |

|            |                   |                         |               |                      |           |                       |                    |
|------------|-------------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93100099_P.F26481 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Junction           |
| Aux Data 1 | Unset             | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset             | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset             | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset             | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset             | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset             | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg      | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 32.6 | 26.0        | 351.2            |
| Groundline                    | 28.4 | 0.0         | 351.2            |
| Vertical                      | 13.0 | 26.5        | 270.0            |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 5,441  | 79.4             | 351.2            |
| Groundline           | 14,143 | 329.2            | 351.2            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 90.0             |             | 34.1                               | 351.2            | 37.9                    | 267.2            |
| EHS 3/8 (Down)               |                  |                  | 28.0        | 49.1                               | 351.2            | 60.2                    | 267.2            |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

**Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 329.2°**

|                       | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
|-----------------------|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
| Powers                | 2,570             | 335.3            | 69,715                 | 492.9              | 130.4             | 8,869                    | 627                 | 8                     | 8,877              | 130.5             |
| Comms                 | 21                | 2.7              | 337                    | 2.4                | 0.6               | 43                       | 342                 | 4                     | 47                 | 0.7               |
| GuyBraces             | -2,187            | -285.4           | -62,001                | -438.4             | -116.0            | -7,887                   | 7,940               | 104                   | -7,784             | -114.5            |
| Pole                  | 329               | 43.0             | 5,149                  | 36.4               | 9.6               | 655                      | 1,364               | 18                    | 673                | 9.9               |
| Insulators            | 34                | 4.5              | 942                    | 6.7                | 1.8               | 120                      | 57                  | 1                     | 121                | 1.8               |
| Pole Load             | 766               | 100.0            | 14,143                 | 100.0              | 26.5              | 1,799                    | 10,330              | 135                   | 1,934              | 28.4              |
| Pole Reserve Capacity |                   |                  | 39,309                 |                    | 73.5              | 5,001                    |                     |                       | 4,866              | 71.6              |

**Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 329.2°**

|                | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
|----------------|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
| FPL            | 2,899             | 378.2            | 74,864                 | 529.3              | 140.1             | 9,524                    | 1,991               | 26                    | 9,550              | 140.4             |
| CATV           | 6                 | 0.8              | 100                    | 0.7                | 0.2               | 13                       | 114                 | 1                     | 14                 | 0.2               |
| AT&T           | 15                | 1.9              | 237                    | 1.7                | 0.4               | 30                       | 228                 | 3                     | 33                 | 0.5               |
| <Undefined>    | -2,153            | -280.9           | -61,059                | -431.7             | -114.2            | -7,768                   | 7,997               | 105                   | -7,663             | -112.7            |
| <b>Totals:</b> | 766               | 100.0            | 14,143                 | 100.0              | 26.5              | 1,799                    | 10,330              | 135                   | 1,934              | 28.4              |

**Detailed Load Components:**

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 44,196                  | -7                     | 96                   | 44,285                |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -44,196                 | -7                     | 96                   | -44,108               |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 44,196                  | 7                      | 96                   | 44,300                |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -44,196                 | 7                      | 96                   | -44,093               |
| Primary   | FPL | FPL   | 30.97       | 5.19               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | -24,707                 | 21                     | 984                  | -23,702               |
| Primary   | FPL | FPL   | 30.97       | 5.19               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 270.0            | 100.0            | 1,200         | 24,707                  | 21                     | 984                  | 25,712                |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 270.0            | 100.0            | 1,200         | 22,313                  | 22                     | 889                  | 23,224                |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 37,493                  | -13                    | 81                   | 37,562                |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -37,493                 | -13                    | 81                   | -37,425               |
| Secondary | FPL | FPL   | 26.97       | 5.42               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 270.0            | 100.0            | 1,200         | 21,515                  | 22                     | 857                  | 22,394                |
| Secondary | FPL | FPL   | 25.97       | 5.47               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 270.0            | 100.0            | 1,200         | 20,718                  | 22                     | 825                  | 21,565                |
|           |     |       |             |                    |                     |                      |                       |                       |                  |                  | Totals:       | 64,546                  | 83                     | 5,085                | 69,714                |

| Comm    |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|---------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| CATV    | CATV | CATV  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 29,450                  | -14                    | 64                   | 29,500                |
| CATV    | CATV | CATV  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -29,450                 | -14                    | 64                   | -29,400               |
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 26,769                  | -14                    | 89                   | 26,843                |
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -26,769                 | -14                    | 58                   | -26,725               |
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 26,769                  | -14                    | 89                   | 26,843                |
| Telco   | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -26,769                 | -14                    | 58                   | -26,725               |
| Totals: |      |       |             |                    |                     |                      |                       |                       |                  |                  | 0             | -84                     | 421                    | 337                  |                       |

| Insulator |                | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|----------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | -4                     | 162                  | 158                   |
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 270.0              | 270.0              | 3.00              | 3.80               | 12.75            | 4                      | 162                  | 166                   |
| Bolt      | Deadend 12.75" |       | 31.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 94                   | 96                    |
| Bolt      | Deadend 12.75" |       | 28.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 85                   | 87                    |
| Bolt      | Deadend 12.75" |       | 28.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 85                   | 84                    |
| Bolt      | Deadend 12.75" |       | 27.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 82                   | 84                    |
| Bolt      | Deadend 12.75" |       | 26.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 79                   | 81                    |
| Bolt      | Deadend 12.75" |       | 22.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 67                   | 66                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 61                   | 59                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 61                   | 59                    |
|           |                |       |             |                    |                    |                    |                   |                    | Totals:          | 3                      | 939                  | 942                   |

| Guy Wire and Brace |      | Owner | Attach Height (ft) | End Height (ft) | Lead/Span Length (ft) | Wire Diameter (in) | Percent Solid (%) | Lead Angle (deg) | Incline Angle (deg) | Wire Weight (lbs/ft) | Rest Length (ft) | Stretch Length (in) |
|--------------------|------|-------|--------------------|-----------------|-----------------------|--------------------|-------------------|------------------|---------------------|----------------------|------------------|---------------------|
| EHS 3/8            | Down |       | 28.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 90.0             | 50.4                | 0.273                | 34.56            | 1.48                |

| Guy Wire and Brace (Loads and Reactions) |      | Elastic Modulus (psi) | Rated Tensile Strength (lbs) | Guy Strength Factor | Allowable Tension (lbs) | Initial Tension (lbs) | Loaded Tension*2 (lbs) | Maximum Tension² (lbs) | Applied Tension³ (lbs) | Vertical Load (lbs) | Shear Load In Guy Dir (lbs) | Shear Load At Report Angle (lbs) | Moment at GL³ (ft-lb) |
|--|------|-----------------------|------------------------------|---------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|---------------------|-----------------------------|----------------------------------|-----------------------|
| EHS 3/8                                  | Down | 2.30e+7               | 15,400                       | 0.90                | 13,860                  | 700                   | 8,347                  | 7,589                  | 6,811                  | 5,251               | 4,338                       | -2,218                           | -62,000               |
| Totals:                                  |      |                       |                              |                     |                         |                       |                        |                        |                        | 5,251               | 4,338                       | -2,218                           | -62,000               |

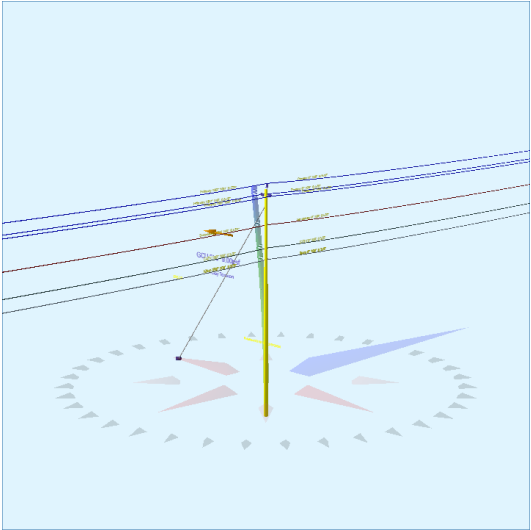
| Anchor/Rod Load Summary |  | Owner | Rod Length AGL (in) | Lead Length (ft) | Lead Angle (deg) | Strength of Assembly (lbs) | Anchor/Rod Strength Factor | Allowable Load (lbs) | Max Load² (lbs) | Load at Pole MCU³ (lbs) | Max Required Capacity² (%) |
|-------------------------|--|-------|---------------------|------------------|------------------|----------------------------|----------------------------|----------------------|-----------------|-------------------------|----------------------------|
| Single Helix Anchor     |  |       | 18.00               | 23.00            | 90.0             | 20,000                     | 1.00                       | 20,000               | 7,588           | 6,811                   | 37.9                       |



| Pole Buckling     |                              |  |                                |                                      |                      |                     |                             |                    |                   |                      |  |                                       |                                |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
| 0.71              | 26.52                        | 34.53  | 8.84                           | 15.51                                | 6.05                 | 9.87                | 1.60e+6                     | 60.00              | 57.00             | 34.00                | 79,437                                 | 794.64                                | 7.69                           |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |

|            |                     |                         |               |                      |           |                       |                    |
|------------|---------------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93100138_P.OPP26966 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset               | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset               | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset               | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset               | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset               | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset               | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg        | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 39.5 | 0.0         | 270.0            |
| Groundline                    | 39.5 | 0.0         | 270.0            |
| Vertical                      | 1.6  | 21.0        | 90.0             |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 20,873 | 270.0            | 270.0            |
| Groundline           | 20,873 | 270.0            | 270.0            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 270.0            |             | 0.0                                | 270.0            | 4.9                     | 90.0             |
| EHS 3/8 (Down)               |                  |                  | 31.0        | 0.0                                | 270.0            | 7.8                     | 90.0             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 270.0° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers   | 299               | 33.0             | 9,567                  | 45.8               | 17.9              | 1,217                    | 456                 | 6                     | 1,223              | 18.0              |
| Comms  | 224               | 24.7             | 4,919                  | 23.6               | 9.2               | 626                      | 342                 | 4                     | 630                | 9.3               |
| GuyBraces  | 0                 | 0.0              | 0                      | 0.0                | 0.0               | 0                        | 7                   | 0                     | 0                  | 0.0               |
| Pole   | 355               | 39.1             | 5,554                  | 26.6               | 10.4              | 707                      | 1,364               | 18                    | 724                | 10.7              |
| Insulators   | 29                | 3.2              | 833                    | 4.0                | 1.6               | 106                      | 40                  | 1                     | 106                | 1.6               |
| Pole Load  | 908               | 100.0            | 20,873                 | 100.0              | 39.1              | 2,655                    | 2,209               | 29                    | 2,684              | 39.5              |
| Pole Reserve Capacity  |                   |                  | 32,579                 |                    | 60.9              | 4,145                    |                     |                       | 4,116              | 60.5              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 270.0° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL  | 654               | 72.1             | 15,121                 | 72.4               | 28.3              | 1,924                    | 1,820               | 24                    | 1,947              | 28.6              |
| CATV   | 75                | 8.2              | 1,740                  | 8.3                | 3.3               | 221                      | 114                 | 1                     | 223                | 3.3               |
| AT&T   | 150               | 16.5             | 3,179                  | 15.2               | 6.0               | 404                      | 228                 | 3                     | 407                | 6.0               |
| <Undefined>  | 29                | 3.2              | 833                    | 4.0                | 1.6               | 106                      | 47                  | 1                     | 107                | 1.6               |
| Totals:  | 908               | 100.0            | 20,873                 | 100.0              | 39.1              | 2,655                    | 2,209               | 29                    | 2,684              | 39.5              |

Detailed Load Components:

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 35.03       | 3.02               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | -14                    | 1,310                | 1,296                 |
| Primary   | FPL | FPL   | 35.03       | 3.02               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | -14                    | 1,310                | 1,296                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | -15                    | 1,233                | 1,219                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | -15                    | 1,233                | 1,219                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | 15                     | 1,233                | 1,248                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | 15                     | 1,233                | 1,248                 |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 0                       | -25                    | 1,046                | 1,021                 |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | 0                       | -25                    | 1,046                | 1,021                 |
| Totals:   |     |       |             |                    |                     |                      |                       |                       |                  |                  | 0             | -79                     | 9,646                  | 9,567                |                       |

| Comm |  | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|------|--|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
|------|--|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|

|         |      |      |       |      |        |      |       |       |       |       |       |      |       |       |     |
|---------|------|------|-------|------|--------|------|-------|-------|-------|-------|-------|------|-------|-------|-----|
| CATV    | CATV | CATV | 23.97 | 5.59 | 0.5700 | 1.19 | 0.600 | 100.0 | 0.0   | 100.0 | 1,200 | 0    | -27   | 897   | 870 |
| CATV    | CATV | CATV | 23.97 | 5.59 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200 | 0    | -27   | 897   | 870 |
| Telco   | AT&T | AT&T | 21.97 | 5.70 | 0.5700 | 1.19 | 0.600 | 100.0 | 0.0   | 100.0 | 1,200 | 0    | -27   | 822   | 795 |
| Telco   | AT&T | AT&T | 21.97 | 5.70 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200 | 0    | -27   | 822   | 795 |
| Telco   | AT&T | AT&T | 21.97 | 5.70 | 0.5700 | 1.19 | 0.600 | 100.0 | 0.0   | 100.0 | 1,200 | 0    | -27   | 822   | 795 |
| Telco   | AT&T | AT&T | 21.97 | 5.70 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200 | 0    | -27   | 822   | 795 |
| Totals: |      |      |       |      |        |      |       |       |       |       | 0     | -161 | 5,080 | 4,919 |     |

| Insulator |                | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|----------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Deadend   | Deadend 12.75" |       | 34.00       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | -1                     | 180                  | 179                   |
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | -8                     | 175                  | 167                   |
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 270.0              | 270.0              | 3.00              | 3.80               | 12.75            | 8                      | 175                  | 182                   |
| Bolt      | Deadend 12.75" |       | 28.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 92                   | 89                    |
| Bolt      | Deadend 12.75" |       | 24.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 79                   | 76                    |
| Bolt      | Deadend 12.75" |       | 22.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 72                   | 69                    |
| Bolt      | Deadend 12.75" |       | 22.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 72                   | 69                    |
|           |                |       |             |                    |                    |                    |                   |                    | Totals:          | -12                    | 845                  | 833                   |

| Guy Wire and Brace |      | Owner | Attach Height (ft) | End Height (ft) | Lead/Span Length (ft) | Wire Diameter (in) | Percent Solid (%) | Lead Angle (deg) | Incline Angle (deg) | Wire Weight (lbs/ft) | Rest Length (ft) | Stretch Length (in) |
|--------------------|------|-------|--------------------|-----------------|-----------------------|--------------------|-------------------|------------------|---------------------|----------------------|------------------|---------------------|
| EHS 3/8            | Down |       | 31.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 270.0            | 53.3                | 0.273                | 36.94            | 0.00                |

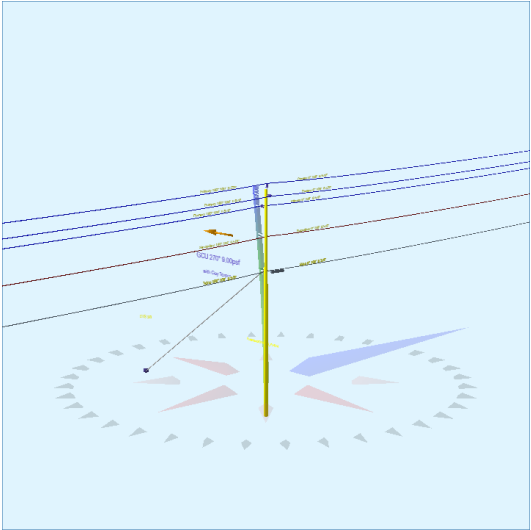
| Guy Wire and Brace (Loads and Reactions) |      | Elastic Modulus (psi) | Rated Tensile Strength (lbs) | Guy Strength Factor | Allowable Tension (lbs) | Initial Tension (lbs) | Loaded Tension <sup>2</sup> (lbs) | Maximum Tension <sup>2</sup> (lbs) | Applied Tension <sup>3</sup> (lbs) | Vertical Load (lbs) | Shear Load In Guy Dir (lbs) | Shear Load At Report Angle (lbs) | Moment at GL <sup>3</sup> (ft-lb) |
|--|------|-----------------------|------------------------------|---------------------|-------------------------|-----------------------|-----------------------------------|------------------------------------|------------------------------------|---------------------|-----------------------------|----------------------------------|-----------------------------------|
| EHS 3/8                                  | Down | 2.30e+7               | 15,400                       | 0.90                | 13,860                  | 700                   | 1,086                             | 987                                | 0                                  | 0                   | 0                           | 0                                | 0                                 |
| Totals:                                  |      |                       |                              |                     |                         |                       |                                   |                                    |                                    | 0                   | 0                           | 0                                | 0                                 |

| Anchor/Rod Load Summary |  | Owner | Rod Length AGL (in) | Lead Length (ft) | Lead Angle (deg) | Strength of Assembly (lbs) | Anchor/Rod Strength Factor | Allowable Load (lbs) | Max Load <sup>2</sup> (lbs) | Load at Pole MCU <sup>3</sup> (lbs) | Max Required Capacity <sup>2</sup> (%) |
|-------------------------|--|-------|---------------------|------------------|------------------|----------------------------|----------------------------|----------------------|-----------------------------|-------------------------------------|--|
| Single Helix Anchor     |  |       | 18.00               | 23.00            | 270.0            | 20,000                     | 1.00                       | 20,000               | 987                         | 0                                   | 4.9                                    |

| Pole Buckling     |                              |  |                                |                                      |                      |                     |                             |                    |                   |                      |  |                                       |                                |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
| 0.71              | 20.97                        | 33.58  | 9.08                           | 6.55                                 | 6.05                 | 9.87                | 1.60e+6                     | 60.00              | 57.00             | 34.00                | 141,218                                | 1380.83                               | 62.50                          |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |

|            |                 |                         |               |                      |           |                       |                    |
|------------|-----------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93101044_P.F614 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset           | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset           | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset           | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset           | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset           | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset           | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg    | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 35.8 | 0.0         | 270.0            |
| Groundline                    | 35.8 | 0.0         | 270.0            |
| Vertical                      | 1.3  | 20.2        | 65.0             |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 18,911 | 270.2            | 270.0            |
| Groundline           | 18,911 | 270.2            | 270.0            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 245.0            |             | 0.0                                | 270.0            | 6.2                     | 85.6             |
| EHS 3/8 (Down)               |                  |                  | 20.0        | 0.0                                | 270.0            | 9.8                     | 85.6             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 270.2° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers   | 299               | 35.0             | 9,268                  | 49.0               | 17.3              | 1,179                    | 456                 | 6                     | 1,185              | 17.4              |
| Comms  | 173               | 20.2             | 3,336                  | 17.6               | 6.2               | 424                      | 228                 | 3                     | 427                | 6.3               |
| GuyBraces  | 1                 | 0.2              | 27                     | 0.1                | 0.1               | 3                        | 6                   | 0                     | 3                  | 0.1               |
| Pole   | 355               | 41.6             | 5,554                  | 29.4               | 10.4              | 707                      | 1,364               | 18                    | 724                | 10.7              |
| Insulators   | 26                | 3.0              | 726                    | 3.8                | 1.4               | 92                       | 34                  | 0                     | 93                 | 1.4               |
| Pole Load  | 854               | 100.0            | 18,911                 | 100.0              | 35.4              | 2,406                    | 2,088               | 27                    | 2,433              | 35.8              |
| Pole Reserve Capacity  |                   |                  | 34,541                 |                    | 64.6              | 4,394                    |                     |                       | 4,367              | 64.2              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 270.2° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL  | 654               | 76.6             | 14,822                 | 78.4               | 27.7              | 1,886                    | 1,820               | 24                    | 1,909              | 28.1              |
| AT&T   | 173               | 20.2             | 3,336                  | 17.6               | 6.2               | 424                      | 228                 | 3                     | 427                | 6.3               |
| <Undefined>  | 27                | 3.2              | 753                    | 4.0                | 1.4               | 96                       | 40                  | 1                     | 96                 | 1.4               |
| Totals:  | 854               | 100.0            | 18,911                 | 100.0              | 35.4              | 2,406                    | 2,088               | 27                    | 2,433              | 35.8              |

Detailed Load Components:

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 35.03       | 3.02               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 165                     | -14                    | 1,310                | 1,461                 |
| Primary   | FPL | FPL   | 35.03       | 3.02               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -165                    | -14                    | 1,310                | 1,132                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 155                     | -15                    | 1,233                | 1,374                 |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -155                    | -15                    | 1,233                | 1,064                 |
| Primary   | FPL | FPL   | 30.97       | 15.94              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 146                     | 15                     | 1,158                | 1,319                 |
| Primary   | FPL | FPL   | 30.97       | 15.94              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -146                    | 15                     | 1,158                | 1,028                 |
| Secondary | FPL | FPL   | 25.97       | 5.47               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 122                     | -26                    | 971                  | 1,068                 |
| Secondary | FPL | FPL   | 25.97       | 5.47               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -122                    | -26                    | 971                  | 823                   |
| Totals:   |     |       |             |                    |                     |                      |                       |                       |                  |                  | 0             | -79                     | 9,347                  | 9,268                |                       |

| Comm  |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Telco | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 94                      | -28                    | 747                  | 813                   |



|         |      |      |       |      |        |      |       |       |       |       |       |     |      |       |       |
|---------|------|------|-------|------|--------|------|-------|-------|-------|-------|-------|-----|------|-------|-------|
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200 | -94 | -28  | 747   | 625   |
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 0.0   | 100.0 | 1,200 | 94  | -28  | 1,206 | 1,272 |
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200 | -94 | -28  | 747   | 625   |
| Totals: |      |      |       |      |        |      |       |       |       |       |       | 0   | -110 | 3,446 | 3,336 |

| Insulator |                | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|----------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Deadend   | Deadend 12.75" |       | 34.00       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | -1                     | 180                  | 179                   |
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 90.0               | 90.0               | 3.00              | 3.80               | 12.75            | -8                     | 175                  | 167                   |
| Deadend   | Deadend 12.75" |       | 31.00       | 0.00               | 270.0              | 270.0              | 3.00              | 3.80               | 12.75            | 8                      | 164                  | 172                   |
| Bolt      | Deadend 12.75" |       | 26.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 85                   | 83                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 66                   | 63                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -3                     | 66                   | 63                    |
|           |                |       |             |                    |                    |                    |                   |                    | Totals:          | -10                    | 736                  | 726                   |

| Guy Wire and Brace |      | Owner | Attach Height (ft) | End Height (ft) | Lead/Span Length (ft) | Wire Diameter (in) | Percent Solid (%) | Lead Angle (deg) | Incline Angle (deg) | Wire Weight (lbs/ft) | Rest Length (ft) | Stretch Length (in) |
|--------------------|------|-------|--------------------|-----------------|-----------------------|--------------------|-------------------|------------------|---------------------|----------------------|------------------|---------------------|
| EHS 3/8            | Down |       | 20.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 245.0            | 40.9                | 0.273                | 28.74            | 0.00                |

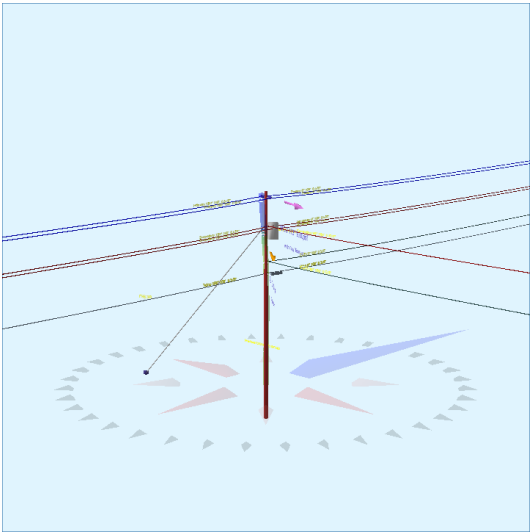
| Guy Wire and Brace (Loads and Reactions) |      | Elastic Modulus (psi) | Rated Tensile Strength (lbs) | Guy Strength Factor | Allowable Tension (lbs) | Initial Tension (lbs) | Loaded Tension*2 (lbs) | Maximum Tension2 (lbs) | Applied Tension3 (lbs) | Vertical Load (lbs) | Shear Load In Guy Dir (lbs) | Shear Load At Report Angle (lbs) | Moment at GL3 (ft-lb) |
|--|------|-----------------------|------------------------------|---------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|---------------------|-----------------------------|----------------------------------|-----------------------|
| EHS 3/8                                  | Down | 2.30e+7               | 15,400                       | 0.90                | 13,860                  | 700                   | 1,361                  | 1,237                  | 0                      | 0                   | 0                           | 0                                | 27                    |
| Totals:                                  |      |                       |                              |                     |                         |                       |                        |                        |                        |                     | 0                           | 0                                | 27                    |

| Anchor/Rod Load Summary |  | Owner | Rod Length AGL (in) | Lead Length (ft) | Lead Angle (deg) | Strength of Assembly (lbs) | Anchor/Rod Strength Factor | Allowable Load (lbs) | Max Load2 (lbs) | Load at Pole MCU3 (lbs) | Max Required Capacity2 (%) |
|-------------------------|--|-------|---------------------|------------------|------------------|----------------------------|----------------------------|----------------------|-----------------|-------------------------|----------------------------|
| Single Helix Anchor     |  |       | 18.00               | 23.00            | 245.0            | 20,000                     | 1.00                       | 20,000               | 1,237           | 0                       | 6.2                        |

| Pole Buckling     |                              |  |                                |                                      |                      |                     |                             |                    |                   |                      |  |                                       |                                |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
| 0.71              | 20.18                        | 33.45  | 9.11                           | 6.27                                 | 6.05                 | 9.87                | 1.60e+6                     | 60.00              | 57.00             | 34.00                | 154,800                                | 1606.26                               | 76.92                          |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |

|            |                    |                         |               |                      |           |                       |                    |
|------------|--------------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93101469_P.OPP3461 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset              | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset              | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset              | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset              | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset              | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset              | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg       | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 46.4 | 22.0        | 112.8            |
| Groundline                    | 35.5 | 0.0         | 130.0            |
| Vertical                      | 10.4 | 26.1        | 65.0             |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 9,863  | 214.6            | 112.8            |
| Groundline           | 18,076 | 117.7            | 130.0            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 245.0            |             | 24.4                               | 112.8            | 26.3                    | 80.0             |
| EHS 3/8 (Down)               |                  |                  | 28.0        | 35.2                               | 112.8            | 41.7                    | 80.0             |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

**Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 117.7°**

|                       | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
|-----------------------|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
| Powers                | 1,596             | 159.3            | 45,192                 | 250.0              | 84.6              | 5,749                    | 513                 | 7                     | 5,756              | 84.6              |
| Comms                 | 809               | 80.7             | 17,679                 | 97.8               | 33.1              | 2,249                    | 342                 | 4                     | 2,254              | 33.1              |
| GuyBraces             | -1,859            | -185.6           | -52,696                | -291.5             | -98.6             | -6,704                   | 5,693               | 74                    | -6,629             | -97.5             |
| PowerEquipments       | 80                | 8.0              | 1,655                  | 9.2                | 3.1               | 211                      | 636                 | 8                     | 219                | 3.2               |
| Pole                  | 347               | 34.6             | 5,426                  | 30.0               | 10.2              | 690                      | 1,364               | 18                    | 708                | 10.4              |
| Insulators            | 30                | 3.0              | 819                    | 4.5                | 1.5               | 104                      | 46                  | 1                     | 105                | 1.5               |
| Pole Load             | 1,002             | 100.0            | 18,076                 | 100.0              | 33.8              | 2,300                    | 8,595               | 112                   | 2,412              | 35.5              |
| Pole Reserve Capacity |                   |                  | 35,376                 |                    | 66.2              | 4,500                    |                     |                       | 4,388              | 64.5              |

**Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 117.7°**

|                | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
|----------------|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
| FPL            | 1,943             | 193.9            | 50,618                 | 280.0              | 94.7              | 6,440                    | 1,877               | 25                    | 6,464              | 95.1              |
| CATV           | 694               | 69.2             | 15,288                 | 84.6               | 28.6              | 1,945                    | 114                 | 1                     | 1,946              | 28.6              |
| AT&T           | 115               | 11.5             | 2,392                  | 13.2               | 4.5               | 304                      | 228                 | 3                     | 307                | 4.5               |
| <Undefined>    | -1,750            | -174.6           | -50,222                | -277.8             | -94.0             | -6,389                   | 6,375               | 83                    | -6,306             | -92.7             |
| <b>Totals:</b> | 1,002             | 100.0            | 18,076                 | 100.0              | 33.8              | 2,300                    | 8,595               | 112                   | 2,412              | 35.5              |

**Detailed Load Components:**

| Power     |     | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Cable<br>Diameter<br>(in) | Sag at<br>Max<br>Temp<br>(ft) | Cable<br>Weight<br>(lbs/ft) | Lead/Span<br>Length<br>(ft) | Span<br>Angle<br>(deg) | Wire<br>Length<br>(ft) | Tension<br>(lbs) | Tension<br>Moment*<br>(ft-lb) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment<br>at GL*<br>(ft-lb) |
|-----------|-----|-------|----------------|--------------------------|---------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------|------------------------|------------------|-------------------------------|------------------------------|----------------------------|-----------------------------|
| Primary   | FPL | FPL   | 32.97          | 15.83                    | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -23,883                       | 13                           | 837                        | -23,033                     |
| Primary   | FPL | FPL   | 32.97          | 15.83                    | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 23,883                        | 13                           | 837                        | 24,733                      |
| Primary   | FPL | FPL   | 32.97          | 15.83                    | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -23,883                       | -13                          | 837                        | -23,059                     |
| Primary   | FPL | FPL   | 32.97          | 15.83                    | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 23,883                        | -13                          | 837                        | 24,707                      |
| Secondary | FPL | FPL   | 27.97          | 5.36                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -20,261                       | 23                           | 710                        | -19,529                     |
| Secondary | FPL | FPL   | 27.97          | 5.36                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 20,261                        | 23                           | 710                        | 20,993                      |
| Secondary | FPL | FPL   | 27.47          | 5.39                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -19,899                       | 23                           | 697                        | -19,179                     |
| Secondary | FPL | FPL   | 27.47          | 5.39                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 19,899                        | 23                           | 697                        | 20,618                      |
| Secondary | FPL | FPL   | 27.97          | 5.36                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 90.0                   | 100.0                  | 1,200            | 38,641                        | -12                          | 312                        | 38,941                      |
| Totals:   |     |       |                |                          |                           |                               |                             |                             |                        |                        | 38,641           | 79                            | 6,473                        | 45,192                     |                             |

| Comm    |      | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Cable<br>Diameter<br>(in) | Sag at<br>Max<br>Temp<br>(ft) | Cable<br>Weight<br>(lbs/ft) | Lead/Span<br>Length<br>(ft) | Span<br>Angle<br>(deg) | Wire<br>Length<br>(ft) | Tension<br>(lbs) | Tension<br>Moment*<br>(ft-lb) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment<br>at GL*<br>(ft-lb) |
|---------|------|-------|----------------|--------------------------|---------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------|------------------------|------------------|-------------------------------|------------------------------|----------------------------|-----------------------------|
| CATV    | CATV | CATV  | 21.97          | 5.70                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -15,914                       | 24                           | 558                        | -15,333                     |
| CATV    | CATV | CATV  | 21.97          | 5.70                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 90.0                   | 100.0                  | 1,200            | 30,351                        | 24                           | 245                        | 30,621                      |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -14,466                       | 24                           | 507                        | -13,934                     |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 14,466                        | 24                           | 507                        | 14,997                      |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 0.0                    | 100.0                  | 1,200            | -14,466                       | 24                           | 773                        | -13,668                     |
| Telco   | AT&T | AT&T  | 19.97          | 5.81                     | 0.5700                    | 1.19                          | 0.600                       | 100.0                       | 180.0                  | 100.0                  | 1,200            | 14,466                        | 24                           | 507                        | 14,997                      |
| Totals: |      |       |                |                          |                           |                               |                             |                             |                        |                        |                  | 14,437                        | 146                          | 3,097                      | 17,679                      |

| PowerEquipment |           | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Height<br>(in) | Unit<br>Depth<br>(in) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment<br>at GL*<br>(ft-lb) |
|----------------|-----------|-------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-----------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| Transformer    | 1PH-15KVA |       | 27.00          | 20.42                    | 0.0                      | 0.0                      | 335.00                  | 34.00                  | --                    | 22.00                    | --                     | -503                         | 2,158                      | 1,655                       |
| Totals:        |           |       |                |                          |                          |                          |                         |                        |                       |                          |                        | -503                         | 2,158                      | 1,655                       |

| Insulator |                | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment at<br>GL*<br>(ft-lb) |
|-----------|----------------|-------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| Deadend   | Deadend 12.75" |       | 33.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 3.80                     | 12.75                  | 7                            | 171                        | 177                         |
| Deadend   | Deadend 12.75" |       | 33.00          | 0.00                     | 270.0                    | 270.0                    | 3.00                    | 3.80                     | 12.75                  | -7                           | 171                        | 164                         |
| Bolt      | Deadend 12.75" |       | 28.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 2                            | 90                         | 92                          |
| Bolt      | Deadend 12.75" |       | 22.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 2                            | 71                         | 73                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 2                            | 64                         | 67                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 2                            | 64                         | 67                          |
| Bolt      | Deadend 12.75" |       | 27.50          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | 2                            | 88                         | 90                          |
| Bolt      | Deadend 12.75" |       | 28.00          | 0.00                     | 0.0                      | 0.0                      | 3.00                    | 2.00                     | 15.00                  | -1                           | 90                         | 89                          |
| Totals:   |                |       |                |                          |                          |                          |                         |                          | 11                     | 808                          | 819                        |                             |

| Guy Wire and Brace |      | Owner | Attach<br>Height<br>(ft) | End Height<br>(ft) | Lead/Span<br>Length<br>(ft) | Wire<br>Diameter<br>(in) | Percent<br>Solid<br>(%) | Lead Angle<br>(deg) | Incline<br>Angle<br>(deg) | Wire Weight<br>(lbs/ft) | Rest Length<br>(ft) | Stretch<br>Length<br>(in) |
|--------------------|------|-------|--------------------------|--------------------|-----------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|---------------------|---------------------------|
| EHS 3/8            | Down |       | 28.00                    | 0.00               | 23.00                       | 0.375                    | 75.00                   | 245.0               | 50.4                      | 0.273                   | 34.56               | 1.06                      |

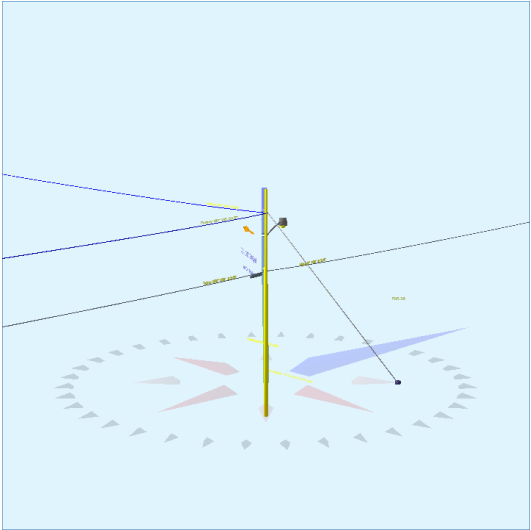
| Guy Wire and Brace<br>(Loads and Reactions) |      | Elastic<br>Modulus<br>(psi) | Rated<br>Tensile<br>Strength<br>(lbs) | Guy<br>Strength<br>Factor | Allowable<br>Tension<br>(lbs) | Initial<br>Tension<br>(lbs) | Loaded<br>Tension*2<br>(lbs) | Maximum<br>Tension²<br>(lbs) | Applied<br>Tension³<br>(lbs) | Vertical<br>Load<br>(lbs) | Shear Load<br>In Guy Dir<br>(lbs) | Shear Load<br>At Report<br>Angle<br>(lbs) | Moment at<br>GL³<br>(ft-lb) |
|---|------|-----------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|---------------------------|-----------------------------------|---|-----------------------------|
| EHS 3/8                                     | Down | 2.30e+7                     | 15,400                                | 0.90                      | 13,860                        | 700                         | 5,785                        | 5,259                        | 4,882                        | 3,764                     | 3,109                             | -1,886                                    | -52,695                     |
|   |      |                             |                                       |                           |                               |                             |                              |                              | Totals:                      | 3,764                     | 3,109                             | -1,886                                    | -52,695                     |

| Anchor/Rod Load Summary | Owner | Rod Length<br>AGL<br>(in) | Lead Length<br>(ft) | Lead Angle<br>(deg) | Strength of<br>Assembly<br>(lbs) | Anchor/Rod<br>Strength<br>Factor | Allowable<br>Load<br>(lbs) | Max Load²<br>(lbs) | Load at Pole<br>MCU³<br>(lbs) | Max<br>Required<br>Capacity² (%) |
|-------------------------|-------|---------------------------|---------------------|---------------------|----------------------------------|----------------------------------|----------------------------|--------------------|-------------------------------|----------------------------------|
| Single Helix Anchor     |       | 18.00                     | 23.00               | 245.0               | 20,000                           | 1.00                             | 20,000                     | 5,259              | 4,882                         | 26.3                             |

| Pole Buckling        |                                       |  |   |  |                            |                           |                                   |                          |                      |                            |  |   |                                      |
|----------------------|---------------------------------------|--|---|--|----------------------------|---------------------------|-----------------------------------|--------------------------|----------------------|----------------------------|--|---|--------------------------------------|
| Buckling<br>Constant | Buckling<br>Column<br>Height*<br>(ft) | Buckling<br>Section<br>Height<br>(% Buckling<br>Col. Hgt.) | Buckling<br>Section<br>Diameter<br>(in) | Minimum<br>Buckling<br>Diameter at<br>GL<br>(in) | Diameter at<br>Tip<br>(in) | Diameter at<br>GL<br>(in) | Modulus of<br>Elasticity<br>(psi) | Pole<br>Density<br>(pcf) | Ice Density<br>(pcf) | Pole Tip<br>Height<br>(ft) | Buckling<br>Load<br>Capacity at<br>Height<br>(lbs) | Buckling<br>Load<br>Applied at<br>Height<br>(lbs) | Buckling<br>Load Factor<br>of Safety |
| 0.71                 | 26.10                                 | 34.46  | 8.86                                    | 14.05  | 6.05                       | 9.87                      | 1.60e+6                           | 60.00                    | 57.00                | 34.00                      | 82,689   | 826.40  | 9.62                                 |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |

|            |                 |                         |               |                      |           |                       |                    |
|------------|-----------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93102103_P.F545 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Guyed Tangent      |
| Aux Data 1 | Unset           | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset           | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset           | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset           | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset           | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset           | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg    | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) |      | Height (ft) | Wind Angle (deg) |
|-------------------------------|------|-------------|------------------|
| Maximum                       | 21.0 | 0.0         | 299.8            |
| Groundline                    | 21.0 | 0.0         | 299.8            |
| Vertical                      | 8.1  | 26.9        | 225.0            |

| Pole Moments (ft-lb) |        | Load Angle (deg) | Wind Angle (deg) |
|----------------------|--------|------------------|------------------|
| Max Cap Util         | 10,598 | 298.7            | 299.8            |
| Groundline           | 10,598 | 298.7            | 299.8            |
| GL Allowable         | 53,452 |                  |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 45.0             |             | 18.3                               | 299.8            | 19.5                    | 230.0            |
| EHS 3/8 (Down)               |                  |                  | 30.0        | 26.4                               | 299.8            | 30.9                    | 230.0            |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |



| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 298.7° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers   | 656               | 112.3            | 19,607                 | 185.0              | 36.7              | 2,494                    | 114                 | 1                     | 2,496              | 36.7              |
| Comms  | 129               | 22.1             | 2,475                  | 23.4               | 4.6               | 315                      | 228                 | 3                     | 318                | 4.7               |
| GuyBraces  | -610              | -104.6           | -18,532                | -174.9             | -34.7             | -2,358                   | 4,379               | 57                    | -2,300             | -33.8             |
| Pole   | 355               | 60.8             | 5,553                  | 52.4               | 10.4              | 706                      | 1,364               | 18                    | 724                | 10.7              |
| Streetlights   | 45                | 7.6              | 1,273                  | 12.0               | 2.4               | 162                      | 86                  | 1                     | 163                | 2.4               |
| Insulators   | 10                | 1.7              | 223                    | 2.1                | 0.4               | 28                       | 17                  | 0                     | 29                 | 0.4               |
| Pole Load  | 584               | 100.0            | 10,598                 | 100.0              | 19.8              | 1,348                    | 6,188               | 81                    | 1,429              | 21.0              |
| Pole Reserve Capacity  |                   |                  | 42,854                 |                    | 80.2              | 5,452                    |                     |                       | 5,371              | 79.0              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 298.7° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL  | 1,011             | 173.2            | 25,160                 | 237.4              | 47.1              | 3,201                    | 1,478               | 19                    | 3,220              | 47.4              |
| AT&T   | 129               | 22.1             | 2,475                  | 23.4               | 4.6               | 315                      | 228                 | 3                     | 318                | 4.7               |
| <Undefined>  | -556              | -95.2            | -17,036                | -160.8             | -31.9             | -2,167                   | 4,482               | 59                    | -2,109             | -31.0             |
| Totals:  | 584               | 100.0            | 10,598                 | 100.0              | 19.8              | 1,348                    | 6,188               | 81                    | 1,429              | 21.0              |

Detailed Load Components:

| Power   |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|---------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary | FPL | FPL   | 29.97       | 5.25               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -22,468                 | -22                    | 853                  | -21,637               |
| Primary | FPL | FPL   | 29.97       | 5.25               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 270.0            | 100.0            | 1,200         | 40,998                  | -22                    | 268                  | 41,244                |
|         |     |       |             |                    |                     |                      |                       |                       |                  |                  | Totals:       | 18,530                  | -44                    | 1,121                | 19,607                |

| Comm  |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Telco | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 14,971                  | -24                    | 568                  | 15,515                |
| Telco | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -14,971                 | -24                    | 568                  | -14,427               |
| Telco | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 14,971                  | -24                    | 568                  | 15,515                |
| Telco | AT&T | AT&T  | 19.97       | 5.81               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -14,971                 | -24                    | 867                  | -14,128               |
|       |      |       |             |                    |                     |                      |                       |                       |                  |                  | Totals:       | 0                       | -97                    | 2,572                | 2,475                 |

| Streetlight |  | Owner                   | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Height<br>(in) | Unit<br>Depth<br>(in) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment<br>at GL*<br>(ft-lb) |
|-------------|--|-------------------------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-----------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| General     |  | Streetlight - 3 ft. Arm | 26.00          | 3.47                     | 0.0                      | 0.0                      | 45.00                   | 24.00                  | 20.00                 | 3.00                     | 36.00                  | 113                          | 1,160                      | 1,273                       |
| Totals:     |  |                         |                |                          |                          |                          |                         |                        |                       |                          |                        | 113                          | 1,160                      | 1,273                       |

| Insulator |                | Owner | Height<br>(ft) | Horiz.<br>Offset<br>(in) | Offset<br>Angle<br>(deg) | Rotate<br>Angle<br>(deg) | Unit<br>Weight<br>(lbs) | Unit<br>Diameter<br>(in) | Unit<br>Length<br>(in) | Offset<br>Moment*<br>(ft-lb) | Wind<br>Moment*<br>(ft-lb) | Moment at<br>GL*<br>(ft-lb) |
|-----------|----------------|-------|----------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|------------------------|------------------------------|----------------------------|-----------------------------|
| Bolt      | Deadend 12.75" |       | 30.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | -2                           | 98                         | 96                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | -2                           | 66                         | 63                          |
| Bolt      | Deadend 12.75" |       | 20.00          | 0.00                     | 90.0                     | 90.0                     | 3.00                    | 2.00                     | 15.00                  | -2                           | 66                         | 63                          |
|           |                |       |                |                          |                          |                          |                         |                          | Totals:                | -7                           | 230                        | 223                         |

| Guy Wire and Brace |  | Owner | Attach<br>Height<br>(ft) | End Height<br>(ft) | Lead/Span<br>Length<br>(ft) | Wire<br>Diameter<br>(in) | Percent<br>Solid<br>(%) | Lead Angle<br>(deg) | Incline<br>Angle<br>(deg) | Wire Weight<br>(lbs/ft) | Rest Length<br>(ft) | Stretch<br>Length<br>(in) |
|--------------------|--|-------|--------------------------|--------------------|-----------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|---------------------|---------------------------|
| EHS 3/8            |  | Down  | 30.00                    | 0.00               | 23.00                       | 0.375                    | 75.00                   | 45.0                | 52.4                      | 0.273                   | 36.14               | 0.83                      |

| Guy Wire and Brace<br>(Loads and Reactions) |      | Elastic<br>Modulus<br>(psi) | Rated<br>Tensile<br>Strength<br>(lbs) | Guy<br>Strength<br>Factor | Allowable<br>Tension<br>(lbs) | Initial<br>Tension<br>(lbs) | Loaded<br>Tension* <sup>2</sup><br>(lbs) | Maximum<br>Tension <sup>2</sup><br>(lbs) | Applied<br>Tension <sup>3</sup><br>(lbs) | Vertical<br>Load<br>(lbs) | Shear Load<br>In Guy Dir<br>(lbs) | Shear Load<br>At Report<br>Angle<br>(lbs) | Moment at<br>GL <sup>3</sup><br>(ft-lb) |
|---|------|-----------------------------|---------------------------------------|---------------------------|-------------------------------|-----------------------------|--|--|--|---------------------------|-----------------------------------|---|---|
| EHS 3/8                                     | Down | 2.30e+7                     | 15,400                                | 0.90                      | 13,860                        | 700                         | 4,283                                    | 3,894                                    | 3,657                                    | 2,896                     | 2,234                             | -626                                      | -18,532                                 |
|   |      |                             |                                       |                           |                               |                             |  |  | Totals:                                  | 2,896                     | 2,234                             | -626                                      | -18,532                                 |

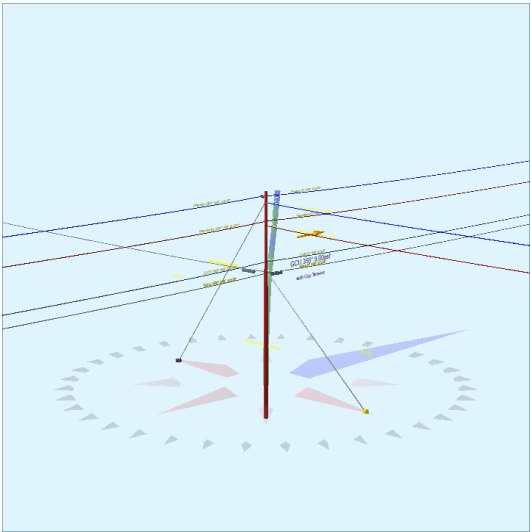
| Anchor/Rod Load Summary |  | Owner | Rod Length<br>AGL<br>(in) | Lead Length<br>(ft) | Lead Angle<br>(deg) | Strength of<br>Assembly<br>(lbs) | Anchor/Rod<br>Strength<br>Factor | Allowable<br>Load<br>(lbs) | Max Load <sup>2</sup><br>(lbs) | Load at Pole<br>MCU <sup>3</sup><br>(lbs) | Max<br>Required<br>Capacity <sup>2</sup> (%) |
|-------------------------|--|-------|---------------------------|---------------------|---------------------|----------------------------------|----------------------------------|----------------------------|--------------------------------|---|--|
| Single Helix Anchor     |  |       | 18.00                     | 23.00               | 45.0                | 20,000                           | 1.00                             | 20,000                     | 3,894                          | 3,657                                     | 19.5   |

| Pole Buckling        |                                       |  |   |  |                            |                           |                                   |                          |                      |                            |  |   |                                      |
|----------------------|---------------------------------------|--|---|--|----------------------------|---------------------------|-----------------------------------|--------------------------|----------------------|----------------------------|--|---|--------------------------------------|
| Buckling<br>Constant | Buckling<br>Column<br>Height*<br>(ft) | Buckling<br>Section<br>Height<br>(% Buckling<br>Col. Hgt.) | Buckling<br>Section<br>Diameter<br>(in) | Minimum<br>Buckling<br>Diameter at<br>GL<br>(in) | Diameter at<br>Tip<br>(in) | Diameter at<br>GL<br>(in) | Modulus of<br>Elasticity<br>(psi) | Pole<br>Density<br>(pcf) | Ice Density<br>(pcf) | Pole Tip<br>Height<br>(ft) | Buckling<br>Load<br>Capacity at<br>Height<br>(lbs) | Buckling<br>Load<br>Applied at<br>Height<br>(lbs) | Buckling<br>Load Factor<br>of Safety |
| 0.71                 | 26.91                                 | 34.60  | 8.82                                    | 12.13  | 6.05                       | 9.87                      | 1.60e+6                           | 60.00                    | 57.00                | 34.00                      | 76,511   | 763.97  | 12.35                                |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole |        |                       |
| 1/27/2021  |        | General Description   |

General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party.

|            |                   |                         |               |                      |           |                       |                    |
|------------|-------------------|-------------------------|---------------|----------------------|-----------|-----------------------|--------------------|
| Pole Num:  | 93102169_P.OPP375 | Pole Length / Class:    | 40 / 5        | Code:                | NESC      | Structure Type:       | Junction           |
| Aux Data 1 | Unset             | Species:                | SOUTHERN PINE | NESC Rule:           | Rule 250B | Status                | Guy Wires Adequate |
| Aux Data 2 | Unset             | Setting Depth (ft):     | 6.00          | Construction Grade:  | C         | Pole Strength Factor: | 0.85               |
| Aux Data 3 | Unset             | G/L Circumference (in): | 31.00         | Loading District:    | Light     | Transverse Wind LF:   | 1.75               |
| Aux Data 4 | Unset             | G/L Fiber Stress (psi): | 8,000         | Ice Thickness (in):  | 0.00      | Wire Tension LF:      | 1.30               |
| Aux Data 5 | Unset             | Allowable Stress (psi): | 6,800         | Wind Speed (mph):    | 59.29     | Vertical LF:          | 1.90               |
| Aux Data 6 | Unset             | Fiber Stress Ht. Reduc: | No            | Wind Pressure (psf): | 9.00      |                       |                    |
| Latitude:  | 0.000000 Deg      | Longitude:              | 0.000000 Deg  | Elevation:           | 0 Feet    |                       |                    |



| Pole Capacity Utilization (%) | Height (ft) | Wind Angle (deg) |
|-------------------------------|-------------|------------------|
| Maximum                       | 27.2        | 20.0             |
| Groundline                    | 24.5        | 0.0              |
| Vertical                      | 11.1        | 26.6             |

| Pole Moments (ft-lb) | Load Angle (deg) | Wind Angle (deg) |
|----------------------|------------------|------------------|
| Max Cap Util         | 6,069            | 70.9             |
| Groundline           | 12,189           | 335.6            |
| GL Allowable         | 53,452           |                  |

| Guy System Component Summary |                  |                  |             | Load From Worst Wind Angle on Pole |                  | Individual Maximum Load |                  |
|------------------------------|------------------|------------------|-------------|------------------------------------|------------------|-------------------------|------------------|
| Description                  | Lead Length (ft) | Lead Angle (deg) | Height (ft) | Nominal Capacity (%)               | Wind Angle (deg) | Max Load Capacity (%)   | Wind Angle (deg) |
| Single Helix Anchor          | 23.0             | 270.0            |             | 18.1                               | 356.3            | 19.8                    | 90.0             |
| EHS 3/8 (Down)               |                  |                  | 32.0        | 26.1                               | 356.3            | 31.5                    | 90.0             |
| Single Helix Anchor          | 23.0             | 90.0             |             | 10.7                               | 356.3            | 13.0                    | 270.0            |
| EHS 3/8 (Down)               |                  |                  | 20.0        | 15.4                               | 356.3            | 20.6                    | 270.0            |
| System Capacity Summary:     |                  |                  |             | Adequate                           |                  | Adequate                |                  |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 335.6° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| Powers   | -1,216            | -162.3           | -36,412                | -298.7             | -68.1             | -4,632                   | 342                 | 4                     | -4,628             | -68.1             |
| Comms  | 1,384             | 184.6            | 27,616                 | 226.6              | 51.7              | 3,513                    | 456                 | 6                     | 3,519              | 51.8              |
| GuyBraces  | 220               | 29.4             | 15,032                 | 123.3              | 28.1              | 1,912                    | 6,553               | 86                    | 1,998              | 29.4              |
| Pole   | 332               | 44.3             | 5,195                  | 42.6               | 9.7               | 661                      | 1,364               | 18                    | 679                | 10.0              |
| Insulators   | 30                | 3.9              | 758                    | 6.2                | 1.4               | 96                       | 51                  | 1                     | 97                 | 1.4               |
| Pole Load  | 749               | 100.0            | 12,189                 | 100.0              | 22.8              | 1,551                    | 8,767               | 115                   | 1,665              | 24.5              |
| Pole Reserve Capacity  |                   |                  | 41,263                 |                    | 77.2              | 5,249                    |                     |                       | 5,135              | 75.5              |

| Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 335.6° |                   |                  |                        |                    |                   |                          |                     |                       |                    |                   |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
|  | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
| FPL  | -884              | -118.0           | -31,217                | -256.1             | -58.4             | -3,971                   | 1,706               | 22                    | -3,949             | -58.1             |
| CATV   | 2                 | 0.3              | 21                     | 0.2                | 0.0               | 3                        | 114                 | 1                     | 4                  | 0.1               |
| AT&T   | 1,382             | 184.4            | 27,595                 | 226.4              | 51.6              | 3,510                    | 342                 | 4                     | 3,515              | 51.7              |
| <Undefined>  | 250               | 33.3             | 15,790                 | 129.6              | 29.5              | 2,009                    | 6,604               | 86                    | 2,095              | 30.8              |
| Totals:  | 749               | 100.0            | 12,189                 | 100.0              | 22.8              | 1,551                    | 8,767               | 115                   | 1,665              | 24.5              |

Detailed Load Components:

| Power     |     | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|-----|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 46,841                  | 6                      | 33                   | 46,880                |
| Primary   | FPL | FPL   | 32.97       | 15.83              | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -46,841                 | 6                      | 33                   | -46,803               |
| Primary   | FPL | FPL   | 31.97       | 5.14               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | -20,592                 | 22                     | 1,087                | -19,483               |
| Secondary | FPL | FPL   | 28.97       | 5.30               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 41,158                  | -10                    | 29                   | 41,176                |
| Secondary | FPL | FPL   | 28.97       | 5.30               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -41,158                 | -10                    | 29                   | -41,140               |
| Secondary | FPL | FPL   | 27.97       | 5.36               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 90.0             | 100.0            | 1,200         | -18,016                 | 23                     | 951                  | -17,042               |
| Totals:   |     |       |             |                    |                     |                      |                       |                       |                  |                  | -38,608       | 37                      | 2,160                  | -36,411              |                       |

| Comm |      | Owner | Height (ft) | Horiz. Offset (in) | Cable Diameter (in) | Sag at Max Temp (ft) | Cable Weight (lbs/ft) | Lead/Span Length (ft) | Span Angle (deg) | Wire Length (ft) | Tension (lbs) | Tension Moment* (ft-lb) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|------|------|-------|-------------|--------------------|---------------------|----------------------|-----------------------|-----------------------|------------------|------------------|---------------|-------------------------|------------------------|----------------------|-----------------------|
| CATV | CATV | CATV  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 0.0              | 100.0            | 1,200         | 31,213                  | -11                    | 22                   | 31,223                |
| CATV | CATV | CATV  | 21.97       | 5.70               | 0.5700              | 1.19                 | 0.600                 | 100.0                 | 180.0            | 100.0            | 1,200         | -31,213                 | -11                    | 22                   | -31,202               |

|         |      |      |       |      |        |      |       |       |       |       |       |         |     |       |         |
|---------|------|------|-------|------|--------|------|-------|-------|-------|-------|-------|---------|-----|-------|---------|
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 270.0 | 100.0 | 1,200 | 12,863  | 25  | 1,096 | 13,983  |
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 270.0 | 100.0 | 1,200 | 12,863  | 25  | 679   | 13,567  |
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 0.0   | 100.0 | 1,200 | 28,371  | -11 | 20    | 28,379  |
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200 | -28,371 | -11 | 20    | -28,363 |
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 0.0   | 100.0 | 1,200 | 28,371  | -11 | 30    | 28,390  |
| Telco   | AT&T | AT&T | 19.97 | 5.81 | 0.5700 | 1.19 | 0.600 | 100.0 | 180.0 | 100.0 | 1,200 | -28,371 | -11 | 20    | -28,363 |
| Totals: |      |      |       |      |        |      |       |       |       |       |       | 25,725  | -18 | 1,908 | 27,615  |

| Insulator |                | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-----------|----------------|-------|-------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Deadend   | Deadend 12.75" |       | 33.00       | 0.00               | 270.0              | 270.0              | 3.00              | 3.80               | 12.75            | 3                      | 164                  | 167                   |
| Bolt      | Deadend 12.75" |       | 32.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 98                   | 100                   |
| Bolt      | Deadend 12.75" |       | 29.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 89                   | 88                    |
| Bolt      | Deadend 12.75" |       | 28.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 2                      | 86                   | 88                    |
| Bolt      | Deadend 12.75" |       | 22.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 68                   | 66                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 3                      | 61                   | 64                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 0.0                | 0.0                | 3.00              | 2.00               | 15.00            | 3                      | 61                   | 64                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 61                   | 60                    |
| Bolt      | Deadend 12.75" |       | 20.00       | 0.00               | 90.0               | 90.0               | 3.00              | 2.00               | 15.00            | -1                     | 61                   | 60                    |
|           |                |       |             |                    |                    |                    |                   |                    | Totals:          | 8                      | 750                  | 758                   |

| Guy Wire and Brace |      | Owner | Attach Height (ft) | End Height (ft) | Lead/Span Length (ft) | Wire Diameter (in) | Percent Solid (%) | Lead Angle (deg) | Incline Angle (deg) | Wire Weight (lbs/ft) | Rest Length (ft) | Stretch Length (in) |
|--------------------|------|-------|--------------------|-----------------|-----------------------|--------------------|-------------------|------------------|---------------------|----------------------|------------------|---------------------|
| EHS 3/8            | Down |       | 32.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 270.0            | 54.1                | 0.273                | 37.76            | 0.86                |
| EHS 3/8            | Down |       | 20.00              | 0.00            | 23.00                 | 0.375              | 75.00             | 90.0             | 40.9                | 0.273                | 28.74            | 0.39                |

| Guy Wire and Brace (Loads and Reactions) |      | Elastic Modulus (psi) | Rated Tensile Strength (lbs) | Guy Strength Factor | Allowable Tension (lbs) | Initial Tension (lbs) | Loaded Tension*2 (lbs) | Maximum Tension² (lbs) | Applied Tension³ (lbs) | Vertical Load (lbs) | Shear Load In Guy Dir (lbs) | Shear Load At Report Angle (lbs) | Moment at GL³ (ft-lb) |
|--|------|-----------------------|------------------------------|---------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|---------------------|-----------------------------|----------------------------------|-----------------------|
| EHS 3/8                                  | Down | 2.30e+7               | 15,400                       | 0.90                | 13,860                  | 700                   | 4,364                  | 3,967                  | 3,619                  | 2,932               | 2,121                       | 876                              | 28,294                |
| EHS 3/8                                  | Down | 2.30e+7               | 15,400                       | 0.90                | 13,860                  | 700                   | 2,851                  | 2,592                  | 2,133                  | 1,396               | 1,612                       | -666                             | -13,262               |
| Totals:                                  |      |                       |                              |                     |                         |                       |                        |                        |                        | 4,328               | 3,733                       | 210                              | 15,032                |

| Anchor/Rod Load Summary |  | Owner | Rod Length AGL (in) | Lead Length (ft) | Lead Angle (deg) | Strength of Assembly (lbs) | Anchor/Rod Strength Factor | Allowable Load (lbs) | Max Load² (lbs) | Load at Pole MCU³ (lbs) | Max Required Capacity² (%) |
|-------------------------|--|-------|---------------------|------------------|------------------|----------------------------|----------------------------|----------------------|-----------------|-------------------------|----------------------------|
| Single Helix Anchor     |  |       | 18.00               | 23.00            | 270.0            | 20,000                     | 1.00                       | 20,000               | 3,967           | 3,618                   | 19.8                       |
| Single Helix Anchor     |  |       | 18.00               | 23.00            | 90.0             | 20,000                     | 1.00                       | 20,000               | 2,592           | 2,133                   | 13.0                       |

| Pole Buckling     |                              |  |                                |                                      |                      |                     |                             |                    |                   |                      |  |                                       |                                |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
| 0.71              | 26.62                        | 34.55  | 8.83                           | 14.33                                | 6.05                 | 9.87                | 1.60e+6                     | 60.00              | 57.00             | 34.00                | 78,643                                 | 789.81                                | 9.01                           |

| Notes  |        |                       |
|--|--------|-----------------------|
| Date   | Author | Description           |
| 1/27/2021  |        | Power Company Request |
| Power company load data has been requested. Email sent to Elmer Pole   |        |                       |
| 1/27/2021  |        | General Description   |
| General Statement: Non-AT&T facilities may not be accurately identified pending attachment information from attaching party. |        |                       |