

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

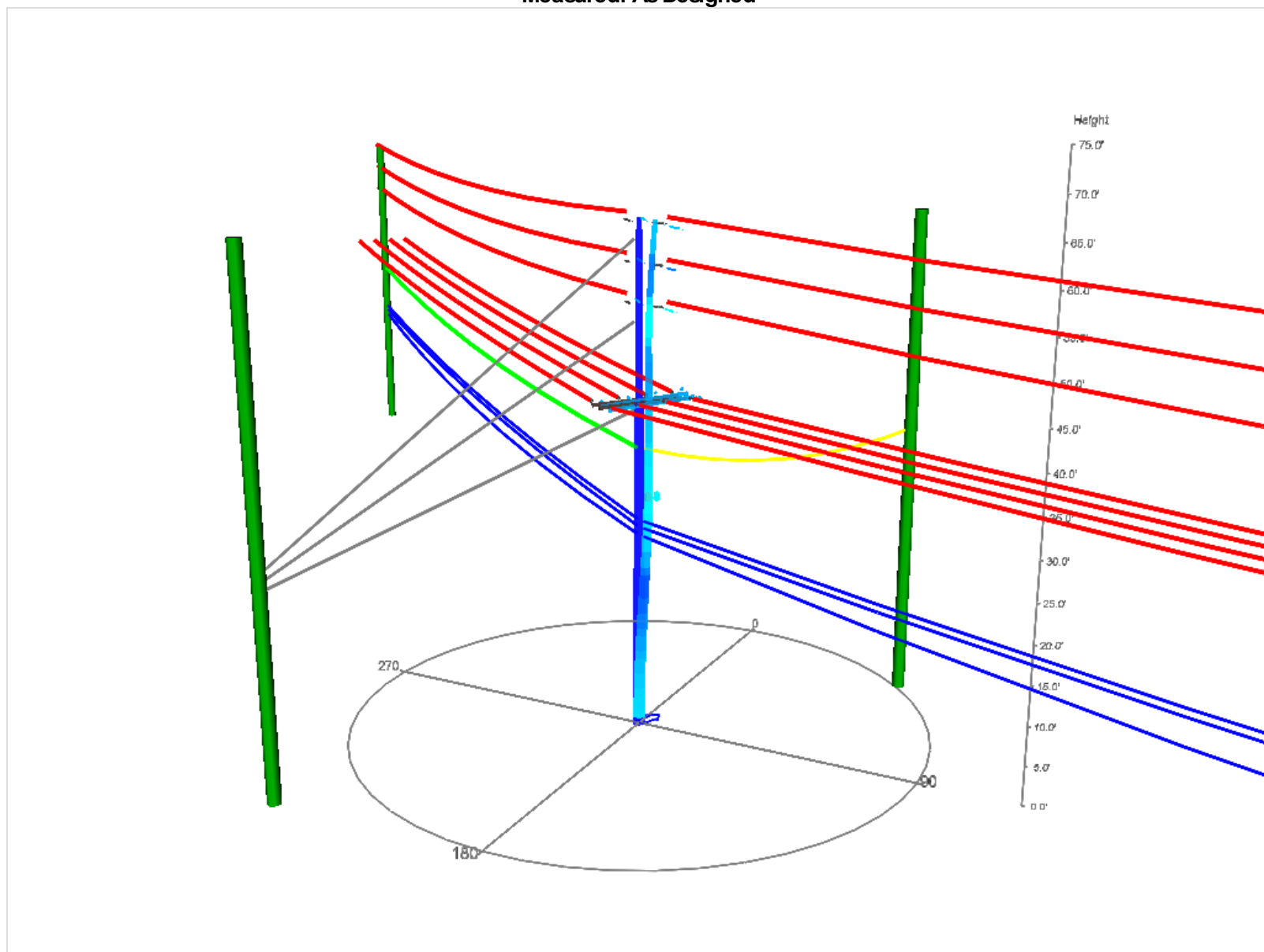
Cross Street 2:

Summary Notes:

Location Analysis Summary

| Layer | Pole Length/Class | Minimum Safety Factor | | | | | | Pole Strength Remaining | Loading Adjusted by Strength? | Clearance Violations Present? |
|-------------|-------------------|----------------------------|------------------|---------|-----------|-----------|----------------|-------------------------|-------------------------------|-------------------------------|
| | | Pole | Guy | Anchor | Cross Arm | Insulator | Sidewalk Brace | | | |
| As Designed | 75/1 | 7.68 from stress at 54' 2" | 2.25 (SpanGuy#3) | No Data | No Data | No Data | No Data | 100% | Y | N |

Measured: As Designed



Analysis Results

Loading

| Component | In Service, 12 lb, Grade A (Governing Case) | | | Client File Maximum Rating |
|-----------|---------------------------------------------|-------------------------------|----------------|----------------------------|
| | Safety Factor | Load (Applied / Allowable) | Wind Direction | |
| Pole | 7.68 from stress at 54' 2" | 782 / 6000 lb/in ² | 20 ° | 6000 lb/in ² |
| SpanGuy#1 | 5.44 | 2829 / 15400 lbf | 30 ° | 15400 lbf |
| SpanGuy#2 | 4.42 | 3486 / 15400 lbf | 20 ° | 15400 lbf |
| SpanGuy#3 | 2.25 | 6849 / 15400 lbf | 20 ° | 15400 lbf |

Wire End Points and Wires

WEP#3

| Type | Environment | Distance | Direction | GPS Point | Inclination | Measured Between | Measured to Ground | | | | |
|------------|-------------|----------|-----------|---------------|-------------|------------------|--------------------|-----------------|----------------|----------------------------|-----------------------|
| Other Pole | None | 38' | 44 ° | Undefined. | 0 ° | N/A | N/A | | | | |
| ID | Size | Owner | Group | Tension Group | Height | Midspan | TAF | Initial Tension | Tension Method | In Service, 12 lb, Grade A | |
| | | | | | | | | | | Tension | Sag |
| | | | | | | | | | | Wire#16 | 4 Al. Triplex Service |

WEP#1

| Type | Environment | Distance | Direction | GPS Point | Inclination | Measured Between | Measured to Ground | | | | | |
|------------|-------------|--------------------------|-----------|---------------|---------------|------------------|--------------------|-----|-----------------|----------------|----------------------------|----------|
| Other Pole | None | 283' | 106 ° | Undefined. | 0 ° | N/A | N/A | | | | | |
| | ID | Size | Owner | Group | Tension Group | Height | Midspan | TAF | Initial Tension | Tension Method | In Service, 12 lb, Grade A | |
| | | | | | | | | | | | Tension | Sag |
| | Wire#6 | 653.9 ACSR Transmission | SCE | Primary | Light Full | 65' 10" | 0' 0" | 1 | 1348 lbf* | Dynamic | 2183.12 lbf** | 5' 4"*** |
| | Wire#5 | 653.9 ACSR Transmission | SCE | Primary | Light Full | 60' 10" | 0' 0" | 1 | 1348 lbf* | Dynamic | 2186.94 lbf** | 5' 4"*** |
| | Wire#4 | 653.9 ACSR Transmission | SCE | Primary | Light Full | 55' 10" | 0' 0" | 1 | 1348 lbf* | Dynamic | 2187.23 lbf** | 5' 4"*** |
| | Wire#13 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1773 lbf* | Dynamic | 2642.25 lbf** | 4' 5"*** |
| | Wire#14 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1773 lbf* | Dynamic | 2687.65 lbf** | 4' 4"*** |
| | Wire#8 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1773 lbf* | Dynamic | 2687.11 lbf** | 4' 4"*** |
| | Wire#9 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1773 lbf* | Dynamic | 2664 lbf** | 4' 4"*** |
| | Wire#18 | 1" CATV 1/4" Messenger | Unknown | Communication | Light Full | 27' 9" | 0' 0" | 1 | 844 lbf* | Dynamic | 1533.34 lbf** | 7' 1"*** |
| | Wire#20 | 1" CATV 1/4" Messenger | Unknown | Communication | Light Full | 26' 10" | 0' 0" | 1 | 844 lbf* | Dynamic | 1534.43 lbf** | 7' 1"*** |
| | Wire#22 | 2" TELCO 5/16" Messenger | Unknown | Communication | Light Full | 25' 9" | 0' 0" | 1 | 2356 lbf* | Dynamic | 3113.52 lbf** | 8' 8"*** |

WEP#4

| Type | Environment | Distance | Direction | GPS Point | Inclination | Measured Between | Measured to Ground |
|------------|-------------|----------|-----------|------------|--------------|----------------------------|--------------------|
| Other Pole | None | 48' | 215 ° | Undefined. | 0 ° | N/A | N/A |
| ID | Size | Owner | Height | Midspan | Height @ WEP | In Service, 12 lb, Grade A | |
| | | | | | | Pretension | Tension |
| SpanGuy#1 | 3/8" EHS | SCE | 63' 0" | 61' 6" | 28' 0" | 1383.75 lbf† | 5.5 lbf** |
| SpanGuy#2 | 3/8" EHS | SCE | 53' 0" | 52' 0" | 27' 0" | 1853.8 lbf† | 4.89 lbf** |
| SpanGuy#3 | 3/8" EHS | SCE | 42' 0" | 42' 0" | 26' 0" | 3139.19 lbf† | 3.44 lbf** |

WEP#2

| Type | Environment | Distance | Direction | GPS Point | Inclination | Measured Between | Measured to Ground |
|------------|-------------|----------|-----------|------------|-------------|------------------|--------------------|
| Other Pole | None | 192' | 314 ° | Undefined. | 0 ° | N/A | N/A |

| ID | Size | Owner | Group | Tension Group | Height | Midspan | TAF | Initial Tension | Tension Method | In Service, 12 lb, Grade A |
|---------|--------------------------|---------|---------------|---------------|---------|---------|-----|-----------------|----------------|----------------------------|
| Wire#1 | 653.9 ACSR Transmission | SCE | Primary | Light Full | 65' 10" | 0' 0" | 1 | 1193 lbf* | Dynamic | 1932.25 lbf** |
| Wire#2 | 653.9 ACSR Transmission | SCE | Primary | Light Full | 60' 10" | 0' 0" | 1 | 1193 lbf* | Dynamic | 1934.43 lbf** |
| Wire#3 | 653.9 ACSR Transmission | SCE | Primary | Light Full | 55' 10" | 0' 0" | 1 | 1193 lbf* | Dynamic | 1929.44 lbf** |
| Wire#10 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1747 lbf* | Dynamic | 2525.56 lbf** |
| Wire#11 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1747 lbf* | Dynamic | 2472.91 lbf** |
| Wire#12 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1747 lbf* | Dynamic | 2575.79 lbf** |
| Wire#7 | 336.4 ACSR Tree Wire | SCE | Primary | Light Full | 43' 3" | 0' 0" | 1 | 1747 lbf* | Dynamic | 2474.15 lbf** |
| Wire#15 | 4 Al. Triplex | SCE | Secondary | Light Full | 37' 0" | 0' 0" | 1 | 265 lbf* | Dynamic | 615.95 lbf** |
| Wire#17 | 1" CATV 1/4" Messenger | Unknown | Communication | Light Full | 27' 9" | 0' 0" | 1 | 841 lbf* | Dynamic | 1284.03 lbf** |
| Wire#19 | 1" CATV 1/4" Messenger | Unknown | Communication | Light Full | 26' 10" | 0' 0" | 1 | 841 lbf* | Dynamic | 1284.22 lbf** |
| Wire#21 | 2" TELCO 5/16" Messenger | Unknown | Communication | Light Full | 25' 9" | 0' 0" | 1 | 2348 lbf* | Dynamic | 2836.68 lbf** |

*Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

** Tension value is inclusive of environmental and load factors associated with the Load Case.

*** Sag value is inclusive of environmental and load factors associated with the Load Case.

† Pretension values are calculated at 60°F (15.5°C) and without load factors.

Equipment

| ID | Size | Owner | Type | Height | Bottom Height | Direction |
|---------|-----------------------|---------|---------------|--------|---------------|-----------|
| Equip#1 | Mast Antenna 24" x 1" | Unknown | Joint Use Box | 31' 0" | 31' 0" | 44 ° |

Cross Arms

| ID | Size | Height | Association | Direction | Offset | Insulators |
|------------|--------------------------|--------|-------------|-----------|--------|-------------------------------------------------------------------------------------------------------------|
| CrossArm#1 | 12 Foot Double Cross Arm | 43' 0" | Other | 215 ° | 6' 0" | Insulator#7, Insulator#8, Insulator#9, Insulator#10, Insulator#11, Insulator#12, Insulator#13, Insulator#14 |

Insulators

| ID | Size | Direction | Offset | Wires |
|--------------|-----------------------------|-----------|--------|---------|
| Insulator#1 | 115 kV Horizontal Line Post | 313 ° | 60' 0" | Wire#2 |
| Insulator#2 | 115 kV Horizontal Line Post | 313 ° | 55' 0" | Wire#3 |
| Insulator#3 | 115 kV Horizontal Line Post | 313 ° | 65' 0" | Wire#1 |
| Insulator#4 | 115 kV Horizontal Line Post | 106 ° | 60' 0" | Wire#5 |
| Insulator#5 | 115 kV Horizontal Line Post | 106 ° | 55' 0" | Wire#4 |
| Insulator#6 | 115 kV Horizontal Line Post | 106 ° | 65' 0" | Wire#6 |
| Insulator#7 | 16 kV Deadend | 314 ° | 0' 4" | Wire#12 |
| Insulator#8 | 16 kV Deadend | 106 ° | 0' 4" | Wire#13 |
| Insulator#9 | 16 kV Deadend | 314 ° | 11' 8" | Wire#7 |
| Insulator#10 | 16 kV Deadend | 106 ° | 11' 8" | Wire#8 |
| Insulator#11 | 16 kV Deadend | 314 ° | 4' 1" | Wire#10 |
| Insulator#12 | 16 kV Deadend | 106 ° | 4' 1" | Wire#9 |
| Insulator#13 | 16 kV Deadend | 314 ° | 7' 11" | Wire#11 |
| Insulator#14 | 16 kV Deadend | 106 ° | 7' 11" | Wire#14 |

Location 2303921E Location Forms

SAP

- Field Inspection Date: 02/16/2022
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: --
- Region: --
- Above 3000 Ft Elevation: No
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- Pole Equipment #:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is POA Diameter:
- As Designed POA Height:
- As Designed POA Diameter:
- Thomas Guide/Quadrant:
- Circuit :
- Substation:
- FIM:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

- QC Comments: