

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

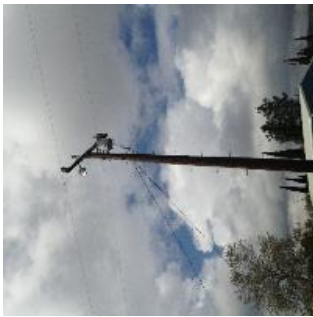
Zip Code:

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 Is	40'4	3.85 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N
As Designed	45'1	3.53 from stress at 3' 3"	11.22 (SpanGuy#1)	No Data	No Data	No Data	No Data	100%	Y	N



N/A

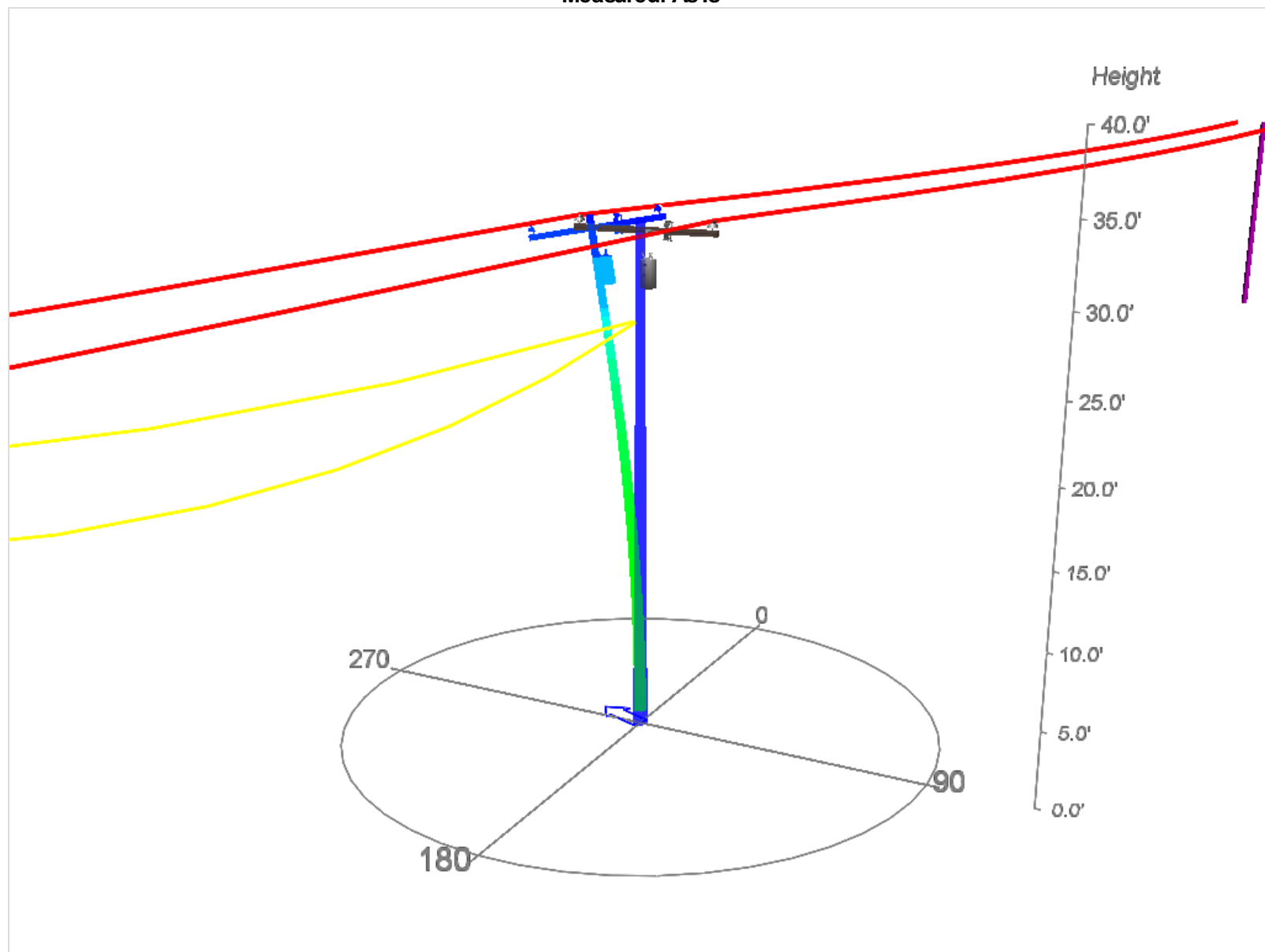


N/A

No Photo Data

No Photo Data

Measured: As Is



Analysis Results

Loading

Component	In Service, 18 lb, Grade B (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3.85 from stress at 3' 3"	2076 / 8000 lb/in ²	290 °	8000 lb/in ²

Wire End Points and Wires

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	Street	225'	4 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade B	
										Tension	Sag
Wire#1	6 Copperweld Type A	SCE	Primary	Light Full	33' 11"	0' 0"	1	681 lbf*	Dynamic	908.31 lbf**	2' 4****
Wire#3	6 Copperweld Type A	SCE	Primary	Light Full	33' 11"	0' 0"	1	681 lbf*	Dynamic	891.18 lbf**	2' 5****

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	Street	297'	184 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade B	
										Tension	Sag
Wire#2	6 Copperweld Type A	SCE	Primary	Light Full	33' 11"	0' 0"	1	667 lbf*	Dynamic	916.9 lbf**	4' 0****
Wire#4	6 Copperweld Type A	SCE	Primary	Light Full	33' 11"	0' 0"	1	667 lbf*	Dynamic	928.17 lbf**	4' 0****

WEP#4											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	Street	62'	195 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade B	
										Tension	Sag
Wire#5	4 Al. Triplex Service	SCE	Utility Service	Service	27' 6"	0' 0"	1	16 lbf*	Dynamic	88.06 lbf**	5' 4****

WEP#3											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	Street	120'	235 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade B	
										Tension	Sag
Wire#6	4 Al. Triplex Service	SCE	Utility Service	Service	27' 6"	0' 0"	1	40 lbf*	Dynamic	151.2 lbf**	8' 0****

*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.

Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#2	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	33' 2"	33' 2"	90 °
Equip#1	37.5 kVA Transformer	SCE	Transformer	31' 0"	31' 0"	0 °

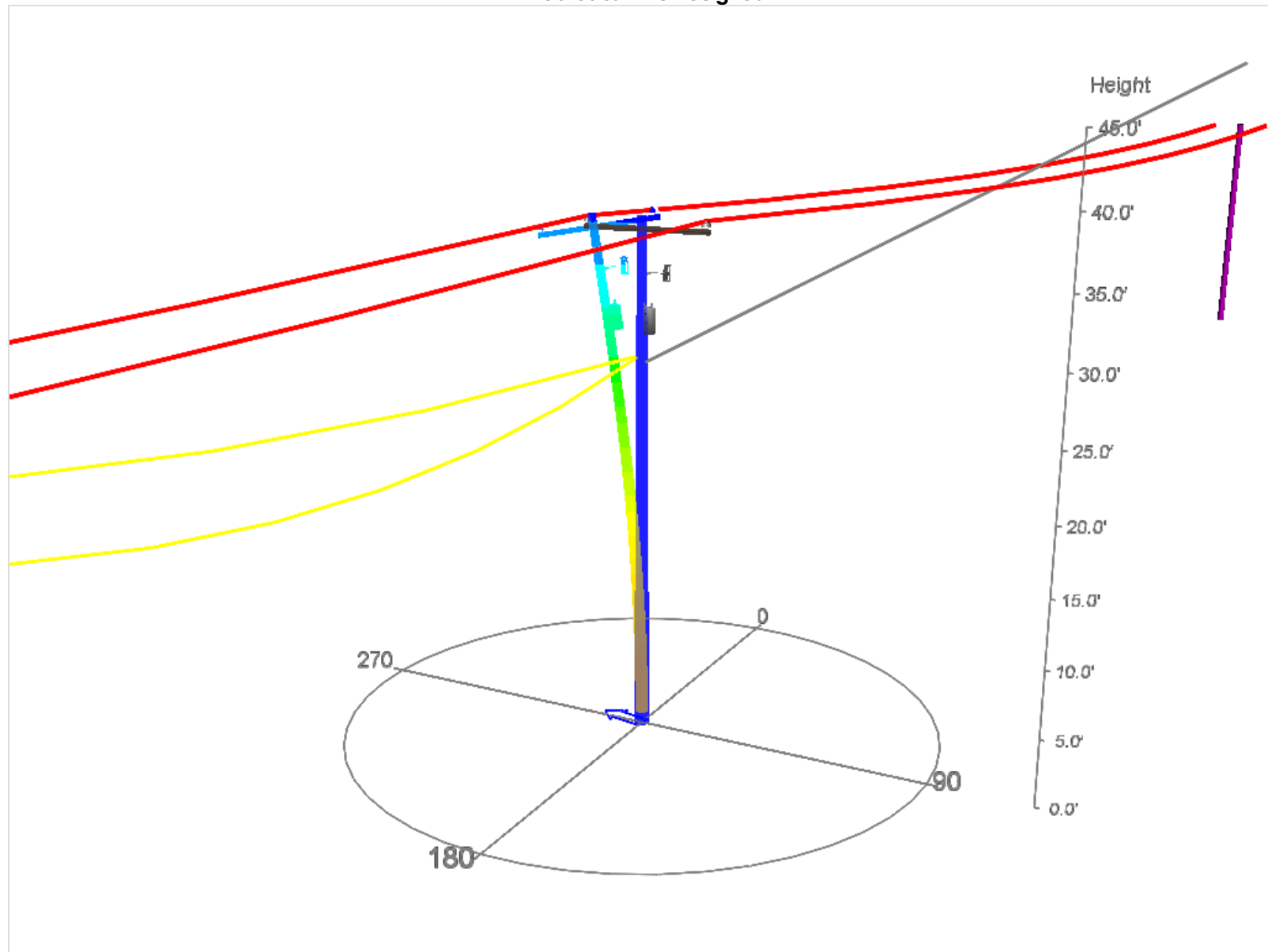
Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	33' 2"	Other	90 °	5' 0"	Insulator#1, Insulator#2

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Pin (Cross Arm)	4 °	0' 4"	Wire#3, Wire#4
Insulator#2	12 kV Pin (Cross Arm)	4 °	9' 8"	Wire#1, Wire#2

Theoretical: As Designed



Analysis Results

Loading

Component	New, 18 lb, Grade B (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3.53 from stress at 3' 3"	2269 / 8000 lb/in ²	280 °	8000 lb/in ²
SpanGuy#1	11.22	798 / 8950 lbf	130 °	8950 lbf

Wire End Points and Wires

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	Street	225'	4 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade B	
										Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 3"	0' 0"	1	868 lb*	Dynamic	1842.11 lb**	3' 10"***
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 3"	0' 0"	1	868 lb*	Dynamic	1819.12 lb**	3' 11"***
ID	Size	Owner	Height	Midspan	Height @ WEP	New, 18 lb, Grade B					
						Pretension	Tension				
SpanGuy#1	9/32" EHS	SCE	28' 0"	29' 0"	50' 0"	0 lb†	-24.88 lb†				

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	Street	296'	184 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade B	
										Tension	Sag
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 3"	0' 0"	1	829 lb*	Dynamic	1862.69 lb**	6' 7"***
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 3"	0' 0"	1	829 lb*	Dynamic	1876.15 lb**	6' 6"***

WEP#4											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	Street	62'	195 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade B	
										Tension	Sag
Wire#5	4 Al. Triplex Service	SCE	Utility Service	Service	28' 6"	0' 0"	1	16 lb*	Dynamic	88.06 lb**	5' 4"***

WEP#3											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	Street	120'	235 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 18 lb, Grade B	
										Tension	Sag
Wire#6	4 Al. Triplex Service	SCE	Utility Service	Service	28' 6"	0' 0"	1	40 lb*	Dynamic	116.13 lb**	8' 0"***

*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#2	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	34' 6"	34' 6"	90 °
Equip#1	37.5 kVA Transformer	SCE	Transformer	31' 6"	31' 6"	0 °

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	37' 6"	Other	90 °	5' 0"	Insulator#1, Insulator#2

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Pin (Cross Arm)	4 °	0' 4"	Wire#3, Wire#4
Insulator#2	12 kV Pin (Cross Arm)	4 °	9' 8"	Wire#1, Wire#2

Location 4960235E Location Forms

SAP

- **Field Inspection Date:** 10/19/2016
- **High Fire:** Elevated
- **Special Project:** No
- **Associated Poles:**
- **Visible Damage:** No
- **Pole Type:** ED
- **District:** 31 - Redlands
- **Region:** ED-SE-DESERTRE
- **Above 3000 Ft Elevation:** No
- **As Designed Work Type:** Replace
- **Access Notes:**

Pole Info Form

- **Pole Equipment #:** 200264135
- **Previous Inspection Date:** 2015
- **Year Installed:** 1972
- **As Is POA Height:** 30.3
- **As Is POA Diameter:** 9"
- **As Designed POA Height:** 30.3
- **As Designed POA Diameter:** 9"
- **Thomas Guide/Quadrant:**
- **Circuit :** Norwood12
- **Substation:** Shandin
- **FIM:** 258-2184-1
- **Location:** 18910 Cajon
- **City:** San Bernardino
- **Brand Height:**
- **Date Pole Load Performed:** 4/15/19
- **Comments:**
- **GPS Location:** N/A

QC Comments

- **QC Comments:**