

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

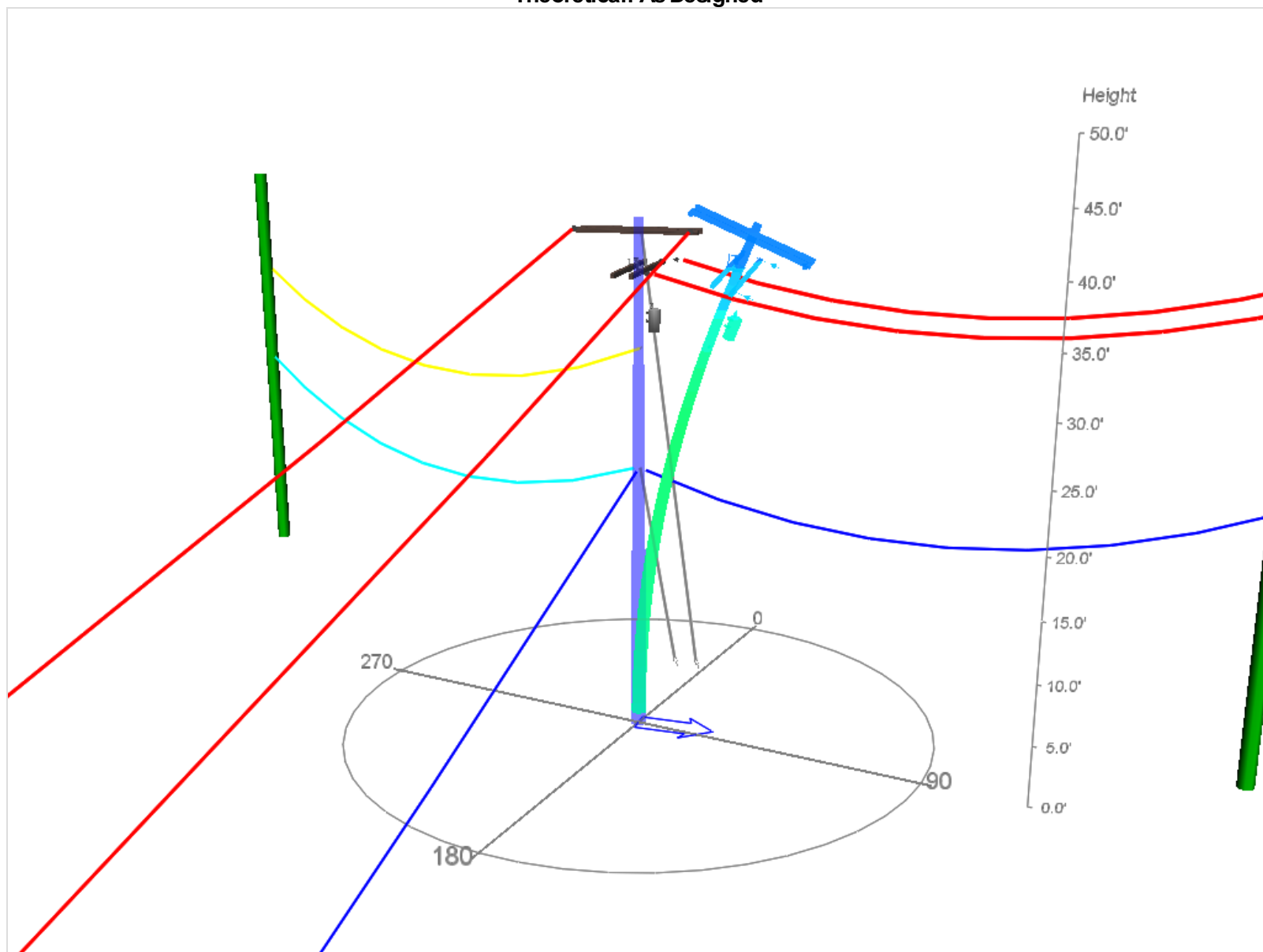
Cross Street 2:

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	50/1	5.05 from stress at 24' 7"	2 (Guy#3)	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: 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	5.05 from stress at 24' 7"	1506 / 7600 lb/in ²	80 °	7600 lb/in ²
Guy#2	2.8	5510 / 15400 lbf	90 °	15400 lbf
Guy#3	2	7704 / 15400 lbf	250 °	15400 lbf

Wire End Points and Wires

WEP#2

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	346'	168 °	Undefined.	-6 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 12 lb, Grade A	
	Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	42' 2"	0' 0"	1	800 lbf*	Dynamic	Tension	Sag
	Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	42' 2"	0' 0"	1	800 lbf*	Dynamic	1327.92 lbf**	8' 9"***
	Wire#6	.75" TELCO 5/16" Messenger	AT&T California	Communication	Light Full	22' 6"	0' 0"	1	800 lbf*	Dynamic	1352.66 lbf**	8' 7"***
											1884.46 lbf**	7' 1"***

WEP#1

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	49'	77 °	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	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	39' 2"	0' 0"	1	22 lbf*	Dynamic	22.11 lbf**	3' 10"***
	Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	39' 2"	0' 0"	1	22 lbf*	Dynamic	22.11 lbf**	3' 10"***
	Wire#3	.5" TELCO 1/4" Messenger	AT&T California	Communication	Light Reduced Unguyed	22' 6"	0' 0"	1	18 lbf*	Dynamic	18.04 lbf**	4' 9"***

WEP#3

Type	Environment		Distance		Direction		GPS Point		Inclination		Measured Between		Measured to Ground	
Other Pole	None		69'		294 °		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#7	1/0 Al. Triplex Service	SCE	Utility Service	Service	32' 6"	0' 0"	1	39 lbf*	Dynamic	48.04 lbf**		6' 6"***	
											Tension	Sag		
	Wire#8	.25" TELCO Service	AT&T California	Communication Service	Service	22' 6"	0' 0"	1	6 lbf*	Dynamic	9.32 lbf**	6' 6"***		

*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#1	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	39' 0"	39' 0"	348 °
Equip#2	50 kVA Transformer	SCE	Transformer	35' 6"	35' 6"	78 °

Anchors

Anchor#1

Size		Owner		Lead		Direction		Height		Supporting	
1" Triple Eye - Anchor Rod and Plate		AT&T California		15' 0"		346 °		0' 0"		Other	
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, 12 lb, Grade A		
									Pretension	Tension	
Guy#2	3/8" EHS	AT&T California	22' 6"	34 °	N/A	N/A	N/A	N/A	2736.58 lbf*	-890.26E-18 lbf**	

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

** Tension value is calculated without load factors or wind.

Anchor#2

Size	Owner	Lead	Direction	Height	Supporting
1" Triple Eye - Anchor Rod and Plate	SCE	15' 0"	354 °	0' 0"	Other

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, 12 lb, Grade A	
									Pretension	Tension
Guy#3	3/8" EHS	SCE	42' 0"	20 °	N/A	N/A	N/A	N/A	3527.79 lbF*	-2.75 lbF**

* Pretension values are calculated at 60°F (15.5°C) and without load factors.
 ** Tension value is calculated without load factors or wind.

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	39' 0"	Other	348 °	5' 0"	Insulator#1, Insulator#2
CrossArm#2	10 Foot Double Cross Arm	42' 0"	Other	78 °	5' 0"	Insulator#3, Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	77 °	0' 4"	Wire#1
Insulator#2	16 kV Deadend	77 °	9' 8"	Wire#2
Insulator#3	16 kV Deadend	168 °	0' 4"	Wire#4
Insulator#4	16 kV Deadend	168 °	9' 8"	Wire#5
Insulator#5	3" Spool Bolt	348 °	32' 6"	Wire#7

Location 2330821E Location Forms

SAP

- Field Inspection Date: 03/08/2021
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 59 - Valencia
- Region: ED-NW-NORTHCOA
- 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: