

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

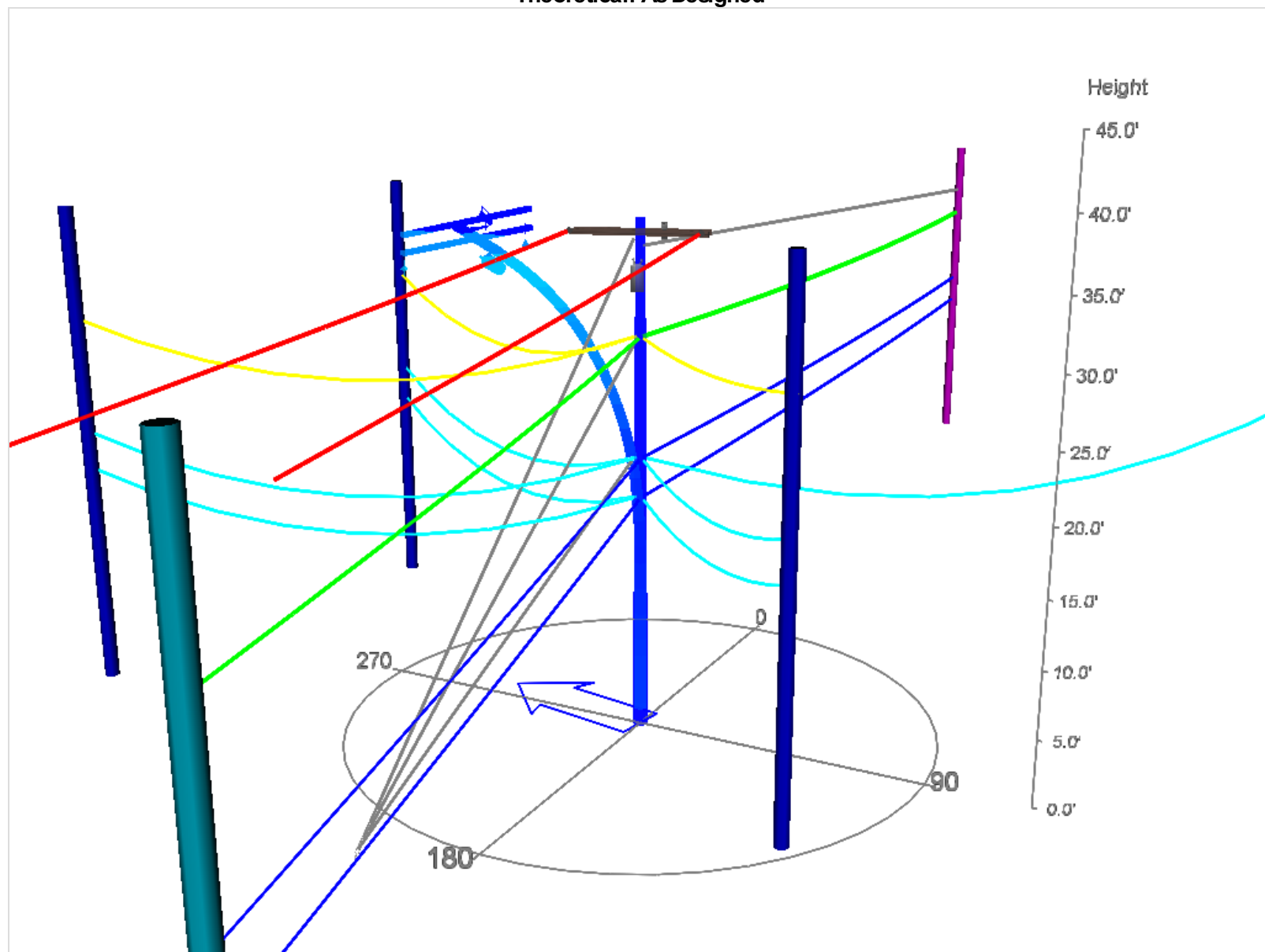
Cross Street 2:

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	45/1	15.4 from stress at 34' 5"	3.19 (SpanGuy#1)	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Loading

Component	New, 12 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	15.4 from stress at 34' 5"	519 / 8000 lb/in ²	280 °	8000 lb/in ²
Guy#1	6.76	1324 / 8950 lbf	90 °	8950 lbf
Guy#2	11.15	596 / 6650 lbf	90 °	6650 lbf
Guy#3	7.4	1210 / 8950 lbf	90 °	8950 lbf
SpanGuy#1	3.19	2803 / 8950 lbf	180 °	8950 lbf

Wire End Points and Wires

WEP#1

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Next Pole	None	111'	356 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
	Wire#7	1/0 Al. Triplex	SCE	Secondary	Light Full	30' 0"	0' 0"	1	797 lbf*	Dynamic	Tension	Sag
	Wire#14	.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	708 lbf*	Dynamic	880.51 lbf**	0' 11"***
	Wire#16	.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	18' 0"	0' 0"	1	1213 lbf*	Dynamic	1394.93 lbf**	0' 8"***
ID	Size	Owner	Height	Midspan	Height @ WEP	New, 12 lb, Grade A						
						Pretension	Tension					
SpanGuy#1	9/32" EHS	SCE	36' 6"	35' 6"	33' 0"	1974.43 lbf†	-1.2 lbf**					

WEP#2

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	65'	165 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
	Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	976 lbf*	Dynamic	Tension	Sag
	Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	976 lbf*	Dynamic	1088.37 lbf**	0' 4'***
	Wire#3	1/0 Al. Triplex	SCE	Secondary	Light Full	30' 0"	0' 0"	1	798 lbf*	Dynamic	1085.14 lbf**	0' 4'***
	Wire#15	.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	30' 0"	0' 0"	1	798 lbf*	Dynamic	1121.83 lbf**	0' 5'***
	Wire#17	.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	709 lbf*	Dynamic	883.32 lbf**	0' 4'***
											1458.39 lbf**	0' 2'***

WEP#6

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Building	None	66'	40 °	Undefined.	0 °	N/A	N/A

ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
										Tension	Sag
Wire#19	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	6 lbf*	Dynamic	18.05 lbf**	6' 1"***

WEP#5

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Building	None	21'	127 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
	Wire#9	4 Al. Triplex Service	SCE	Utility Service	Service	30' 0"	0' 0"	1	11 lbf*	Dynamic	13.96 lbf**	0' 10"***
	Wire#21	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	2 lbf*	Dynamic	2.55 lbf**	1' 10"***
	Wire#24	.25" TELCO Service	Unknown	Communication Service	Service	18' 0"	0' 0"	1	2 lbf*	Dynamic	2.55 lbf**	1' 10"***

WEP#4

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Building	None	45'	255 °	Undefined.	0 °	N/A	N/A

ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A
Wire#13	4 Al. Triplex Service	SCE	Utility Service	Service	30' 0"	0' 0"	1	11 lbf*	Dynamic	Tension Sag
Wire#18	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	4 lbf*	Dynamic	13.16 lbf** 4' 1"***
Wire#22	.25" TELCO Service	Unknown	Communication Service	Service	18' 0"	0' 0"	1	4 lbf*	Dynamic	4.84 lbf** 4' 3"***

WEP#3

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Building	None	44'	301 °	Undefined.	0 °	N/A	N/A

ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A
Wire#12	4 Al. Triplex Service	SCE	Utility Service	Service	30' 0"	0' 0"	1	11 lbf*	Dynamic	Tension Sag
Wire#20	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	4 lbf*	Dynamic	12.18 lbf** 3' 11"***
Wire#23	.25" TELCO Service	Unknown	Communication Service	Service	18' 0"	0' 0"	1	4 lbf*	Dynamic	4.46 lbf** 4' 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#1	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	37' 6"	37' 6"	75 °
Equip#2	50 kVA Transformer	SCE	Transformer	35' 0"	35' 0"	165 °

Anchors

Anchor#1

Size	Owner	Lead	Direction	Height	Supporting
1" Triple Eye - Anchor Rod and Plate	SCE	25' 0"	260 °	-15' 0"	Other

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	New, 12 lb, Grade A
Guy#1	9/32" EHS	SCE	37' 0"	26 °	N/A	N/A	N/A	N/A	Pretension Tension
Guy#3	9/32" EHS	SCE	29' 5"	29 °	N/A	N/A	N/A	N/A	644.3 lbf* -1.3496E-15 lbf**
Guy#2	1/4" EHS	Unknown	21' 0"	35 °	N/A	N/A	N/A	N/A	564.91 lbf* -1.1533E-15 lbf**
									262.56 lbf* -832.93E-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.

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	37' 6"	WEP#2	75 °	5' 0"	Insulator#1, Insulator#2

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	165 °	0' 4"	Wire#2
Insulator#2	16 kV Deadend	165 °	9' 8"	Wire#1

Location 1472548E Location Forms

SAP

- Field Inspection Date: 02/01/2022
- 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: Replace
- 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: