

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	45/4	3.42 from stress at 9' 10"	2.97 (Guy#1)	No Data	No Data	No Data	No Data	100%	Y	N



N/A



N/A



N/A



N/A



N/A



N/A



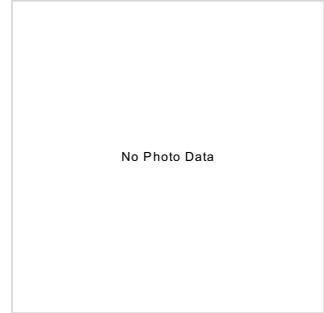
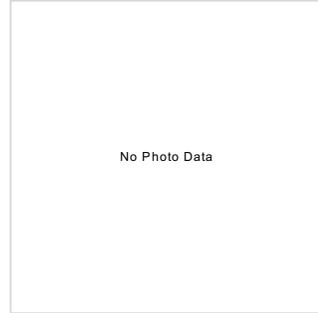
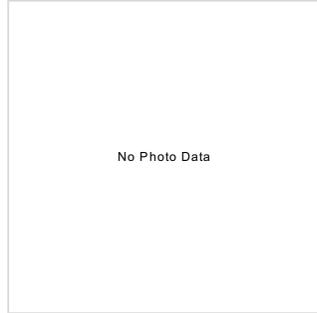
N/A



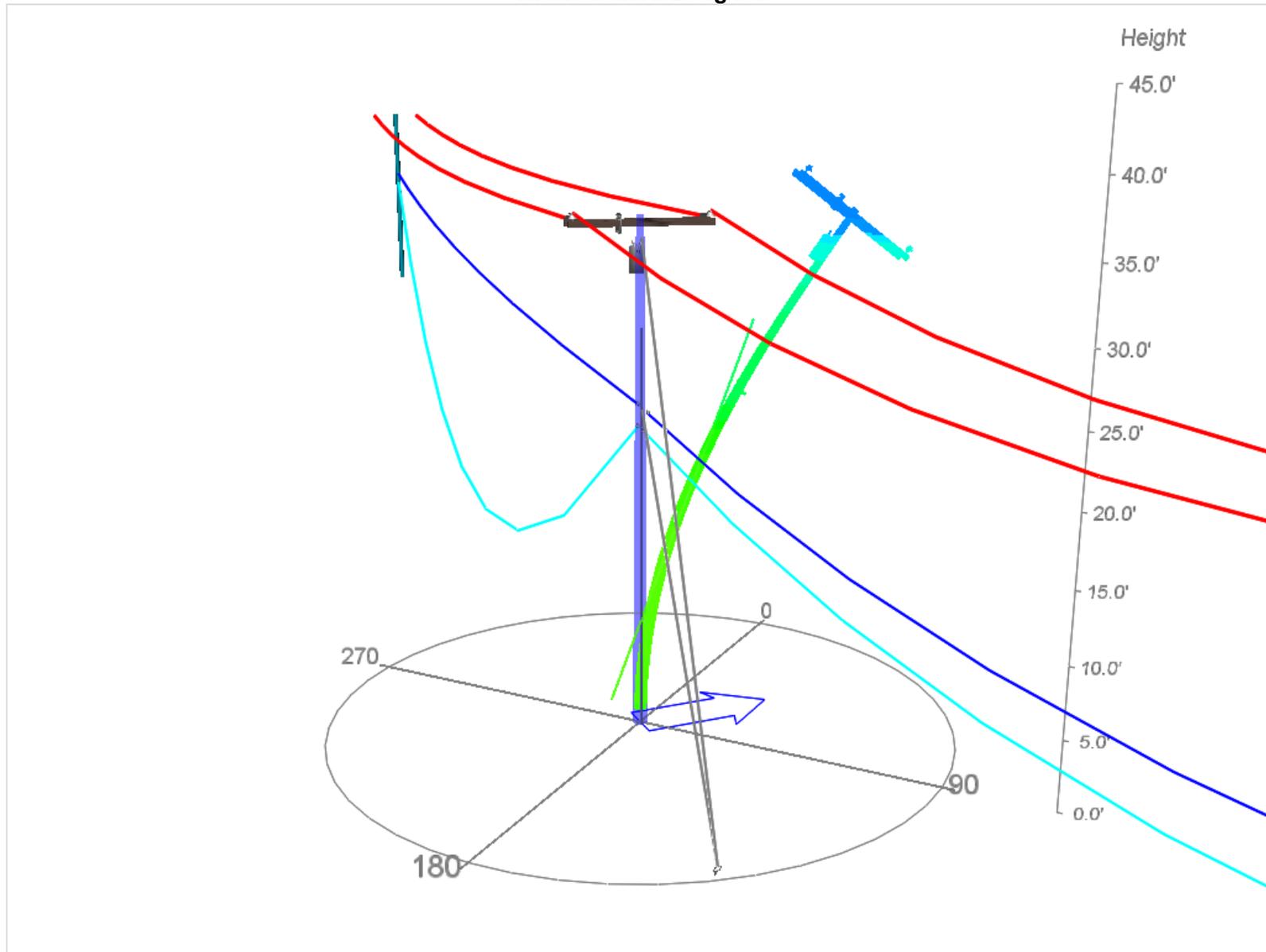
N/A



N/A



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	3.42 from stress at 9' 10"	2340 / 8000 lb/in ²	40 °	8000 lb/in ²
Guy#1	2.97	5181 / 15400 lbf	240 °	15400 lbf
Guy#2	5.66	1581 / 8950 lbf	250 °	8950 lbf

Wire End Points and Wires

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	94'	124 °	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#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	36' 9"	0' 0"	1	47 lbf*	Dynamic	244.8 lbf**	3' 6"***
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	36' 9"	0' 0"	1	47 lbf*	Dynamic	244.8 lbf**	3' 6"***
Wire#6	.5" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	23' 0"	0' 0"	1	46 lbf*	Dynamic	166.88 lbf**	3' 9"***
Wire#12	.25" TELCO Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	9 lbf*	Dynamic	56.31 lbf**	5' 0"***
Wire#13	.25" TELCO Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	9 lbf*	Dynamic	56.31 lbf**	5' 0"***
Wire#14	.25" TELCO Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	9 lbf*	Dynamic	56.31 lbf**	5' 0"***
Wire#15	.25" TELCO Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	9 lbf*	Dynamic	56.31 lbf**	5' 0"***
Wire#16	.25" TELCO Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	9 lbf*	Dynamic	56.31 lbf**	5' 0"***

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	250'	320 °	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#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 2"	0' 0"	1	854 lbf*	Dynamic	1368.69 lbf**	4' 4"***
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 2"	0' 0"	1	854 lbf*	Dynamic	1370.58 lbf**	4' 4"***
Wire#5	.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	23' 6"	0' 0"	1	709 lbf*	Dynamic	1042.86 lbf**	4' 2"***
Wire#10	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	15 lbf*	Dynamic	56.82 lbf**	35' 5"***
Wire#11	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	15 lbf*	Dynamic	56.82 lbf**	35' 5"***
Wire#7	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	15 lbf*	Dynamic	56.82 lbf**	35' 5"***
Wire#8	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	15 lbf*	Dynamic	56.82 lbf**	35' 5"***
Wire#9	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	15 lbf*	Dynamic	56.82 lbf**	35' 5"***

* 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#3	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	36' 0"	36' 0"	230 °
Equip#2	25 kVA Transformer	SCE	Transformer	34' 0"	34' 0"	320 °
Equip#1	2 PVC	SCE	Riser	29' 0"	0' 0"	145 °

Anchors

Anchor#1											
Size	Owner	Lead	Direction	Height	Supporting						
1" Triple Eye - Anchor Rod and Plate	SCE	21' 0"	140 °	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#1	3/8" EHS	SCE	35' 0"	31 °	N/A	N/A	N/A	N/A	3124.03 lbf*	-3.68 lbf**	
Guy#2	9/32" EHS	Unknown	23' 6"	42 °	N/A	N/A	N/A	N/A	1075.28 lbf*	-1.48 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	36' 0"	Other	230 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Pin (Cross Arm)	124 °	0' 4"	Wire#3
Insulator#2	12 kV Deadend	320 °	0' 4"	Wire#2
Insulator#3	12 kV Pin (Cross Arm)	124 °	9' 8"	Wire#1
Insulator#4	12 kV Deadend	320 °	9' 8"	Wire#4
Insulator#5	3" Clevis Insulator	320 °	23' 6"	Wire#5
Insulator#6	3 Bolt Suspension Clamp	50 °	23' 0"	Wire#6
Insulator#7	3" Clevis Insulator	320 °	22' 0"	Wire#7, Wire#8, Wire#9, Wire#10, Wire#11
Insulator#8	3" Clevis Insulator	140 °	22' 0"	Wire#12, Wire#13, Wire#14, Wire#15, Wire#16

Location 207265S Location Forms

SAP

- **Field Inspection Date:** 02/11/2022
- **High Fire:** Elevated
- **Special Project:** No
- **Associated Poles:**
 - **Visible Damage:** No
- **Pole Type:** ED
- **District:** 30 - Foothill
- **Region:** ED-SE-METROEAS
- **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:**