

Location Properties

Technician:	Map Number:
Address:	Pole Tags:
City:	State:
County:	Zip Code:
Cross Street 1:	Cross Street 2:
Remedy:	Summary Notes:
Comments:	

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	45/4	7.2 from stress at 1' 0"	3.19 (Guy#1)	No Data	No Data	No Data	No Data	100%	Y	N
As Designed	45/4	4.96 from stress at 3' 3"	3.53 (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

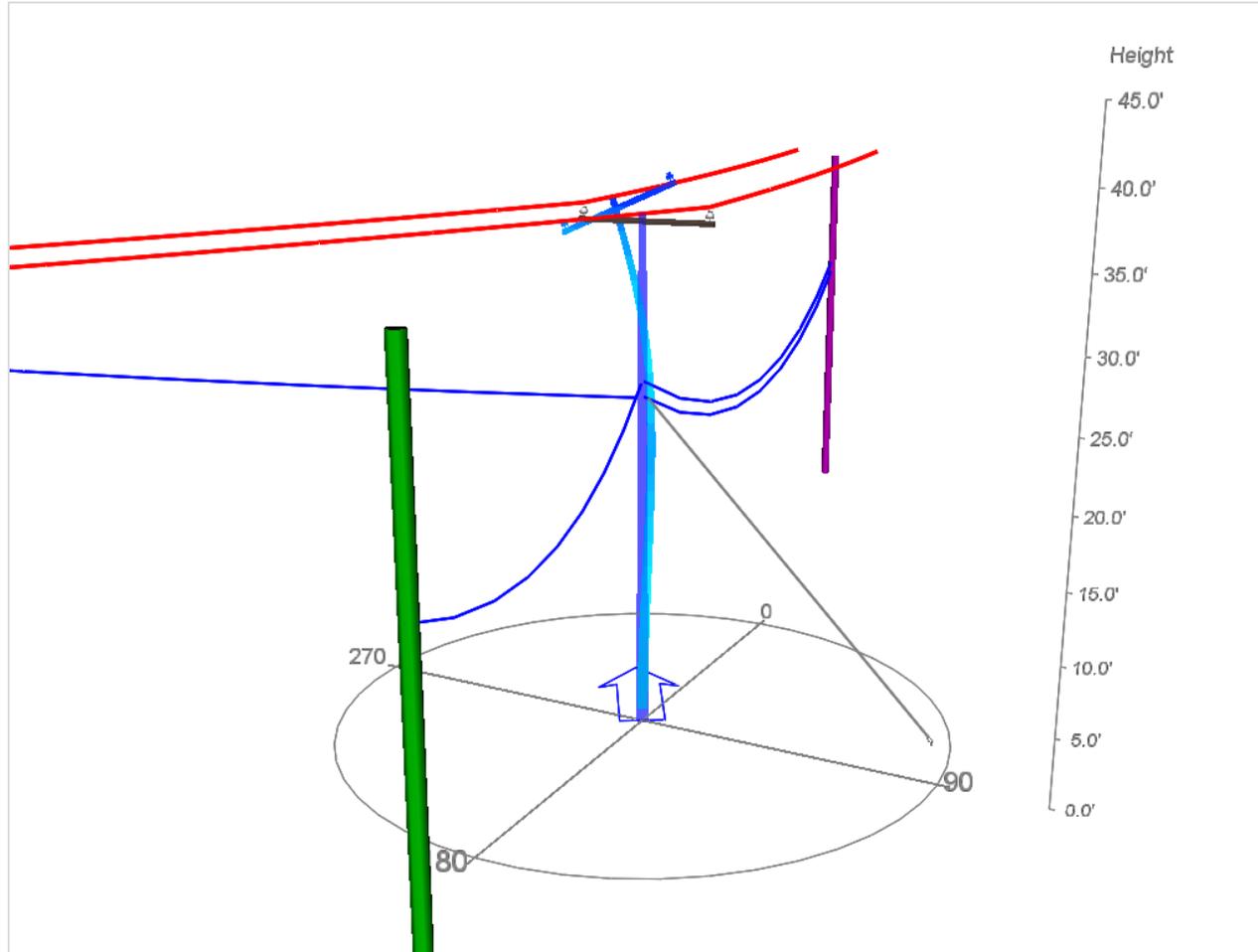


No Photo Data



No Photo Data

Measured: As Is



Analysis Results

Component	In Service, 12 lb. Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	7.2 from stress at 1' 0"	1111 / 8000 lb/in ²	330 °	8000 lb/in ²
Guy#1	3.19	3506 / 11200 lbf	240 °	11200 lbf

Wire End Points and Wires

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	74'	350 °	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#3	6 Copper	SCE	Primary	Light Full	37' 10"	0' 0"	1	202 lbf*	Dynamic	120.39 lbf**	0' 5"***
Wire#4	6 Copper	SCE	Primary	Light Full	37' 10"	0' 0"	1	202 lbf*	Dynamic	122.01 lbf**	0' 5"***
Wire#5	1" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	25' 7"	0' 0"	1	42 lbf*	Dynamic	43.61 lbf**	7' 1"***
Wire#6	1" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	24' 6"	0' 0"	1	64 lbf*	Dynamic	64.14 lbf**	7' 1"***

WEF#1												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	59'	201 °	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	6 Copper	SCE	Primary	Light Full	37' 10"	0' 0"	1	202 lb*	Dynamic	240.5 lbF**	0' 3****	Sag
Wire#2	6 Copper	SCE	Primary	Light Full	37' 10"	0' 0"	1	202 lb*	Dynamic	239.6 lbF**	0' 3****	Sag

WEF#3												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	47'	164 °	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" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	25' 7"	0' 0"	1	28 lbF*	Dynamic	28.32 lbF**	4' 4****	Sag

WEF#4												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	99'	257 °	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#8	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	24' 6"	0' 0"	1	1439 lbF*	Dynamic	1544.45 lbF**	0' 11****	Sag

* 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.

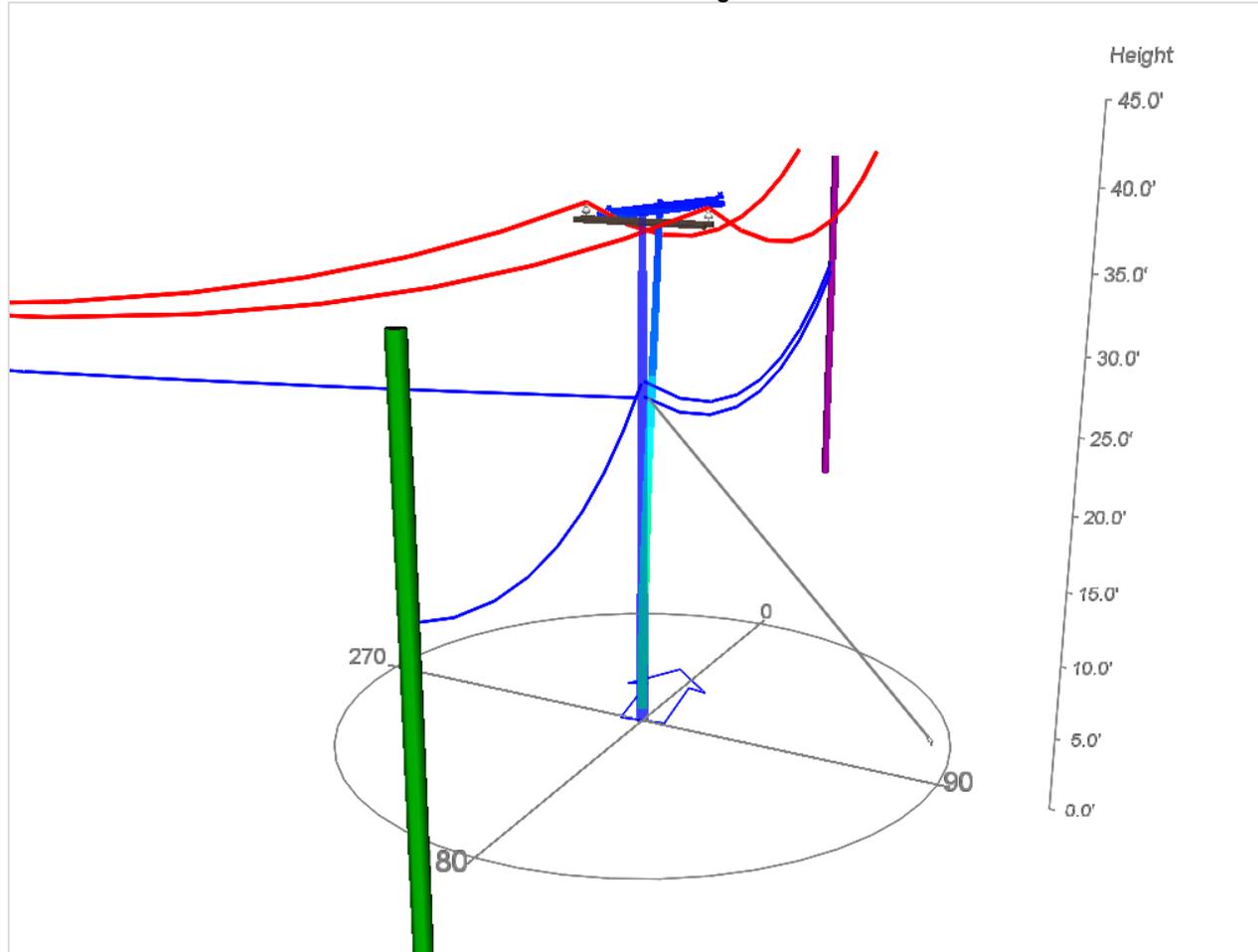
Anchors

Anchor#1												
Size	Owner	Lead	Direction	Height	Supporting							
3/4" Double Eye - Anchor Rod and Plate	SCE	21' 0"	71 °	0' 0"	Other							
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, 12 lb. Grade A			
Guy#1	5/16" EHS	Unknown	24' 6"	41 °	N/A	N/A	N/A	N/A	Pretension	Tension		
* 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 Cross Arm	36' 8"	Other	86 °	5' 0"	Insulator#1, Insulator#2	

Insulators						
ID	Size	Direction	Offset	Wires		
Insulator#1	16 kV Pin (Cross Arm)	350 °	0' 4"	Wire#3, Wire#1		
Insulator#2	16 kV Pin (Cross Arm)	350 °	9' 8"	Wire#4, Wire#2		

Theoretical: As Designed



Analysis Results

Component	In Service, 12 lb. Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.96 from stress at 3' 3"	1613 / 8000 lb/in ²	350 °	8000 lb/in ²
Guy#1	3.53	3177 / 11200 lbf	280 °	11200 lbf

Wire End Points and Wires

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	74'	350 °	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#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	37' 10"	0' 0"	1	35 lbf*	Dynamic	35.19 lbf**	5' 5"***
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	37' 10"	0' 0"	1	35 lbf*	Dynamic	35.19 lbf**	5' 5"***
Wire#5	1" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	25' 7"	0' 0"	1	42 lbf*	Dynamic	42.08 lbf**	7' 1"***
Wire#6	1" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	24' 6"	0' 0"	1	64 lbf*	Dynamic	58.92 lbf**	7' 7"***

WEP#1												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	59'	201 °	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	37' 10"	0' 0"	1	35 lbF*	Dynamic	42.97 lbF**	3' 5"***	Sag
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	37' 10"	0' 0"	1	35 lbF*	Dynamic	42.97 lbF**	3' 5"***	Sag

WEP#3												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	47'	164 °	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" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	25' 7"	0' 0"	1	28 lbF*	Dynamic	28.07 lbF**	4' 4"***	Sag

WEP#4												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	99'	257 °	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#8	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	24' 6"	0' 0"	1	1439 lbF*	Dynamic	1426.61 lbF**	1' 0"***	Sag

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Anchors

Anchor#1												
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Guy#1	5/16" EHS	Unknown	24' 6"	41 °	N/A	N/A	N/A	N/A	Pretension	Tension		
* 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' 8"	Other	90 °	5' 0"	Insulator#1, Insulator#2	

Insulators						
ID	Size	Direction	Offset	Wires		
Insulator#1	16 kV Pin (Cross Arm)	350 °	0' 4"	Wire#3, Wire#1		
Insulator#2	16 kV Pin (Cross Arm)	350 °	9' 8"	Wire#4, Wire#2		

Location 4754756E Location Forms

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:

SAP

- Field Inspection Date: 02/19/2020
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 39 - Ventura
- Region: ED-NW-NORTHCOA
- Above 3000 Ft Elevation: -
- As Designed Work Type: Existing
- Access Notes: