

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	3.81 from stress at 3' 3"	2.86 (Guy#1)	No Data	No Data	No Data	No Data	100%	Y	N



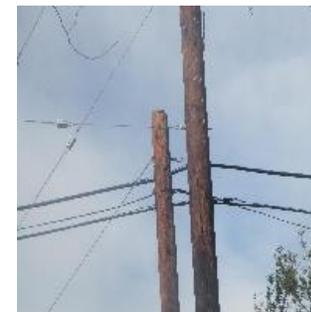
N/A



N/A



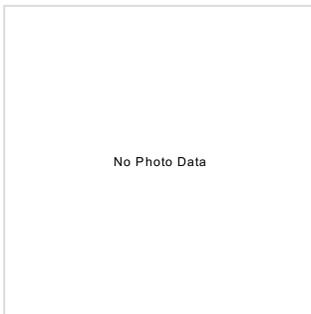
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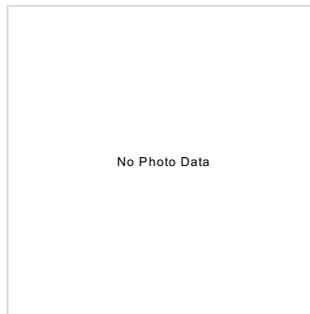
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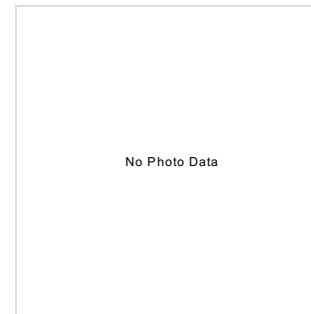
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No Photo Data

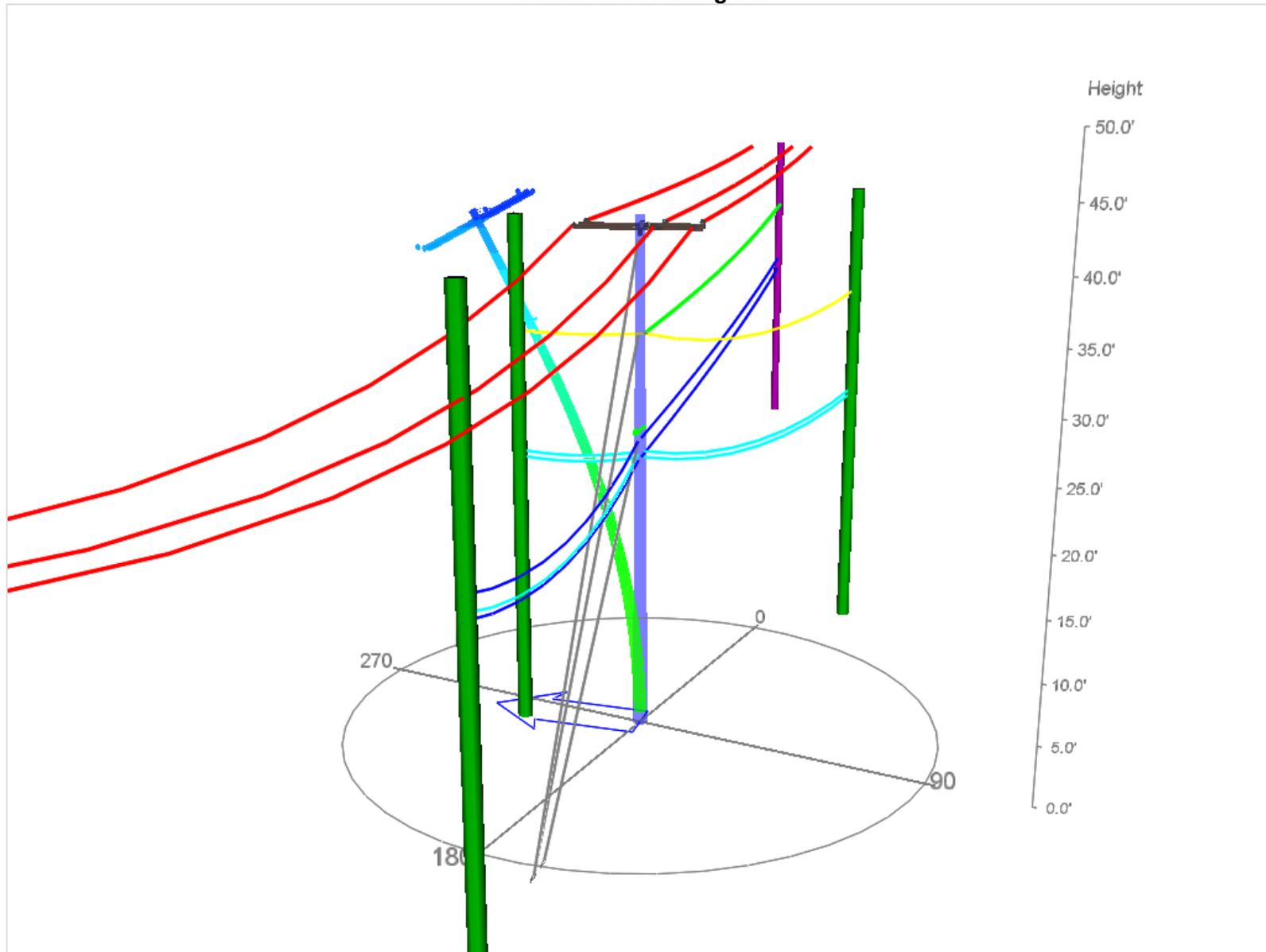


No Photo Data



No Photo Data

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	3.81 from stress at 3' 3"	1994 / 7600 lb/in ²	260 °	7600 lb/in ²
Guy#1	2.86	5387 / 15400 lbf	60 °	15400 lbf
Guy#2	4.4	3497 / 15400 lbf	60 °	15400 lbf
Guy#3	5.46	2819 / 15400 lbf	70 °	15400 lbf

Wire End Points and Wires

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	124'	343 °	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#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	42' 1"	0' 0"	1	947 lbf*	Dynamic	982.77 lbf**	1' 6"****
Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	42' 1"	0' 0"	1	947 lbf*	Dynamic	980.5 lbf**	1' 6"****
Wire#7	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	42' 1"	0' 0"	1	947 lbf*	Dynamic	1010.65 lbf**	1' 5"****
Wire#4	1/0 Al. Triplex	SCE	Secondary	Light Full	33' 5"	0' 0"	1	795 lbf*	Dynamic	1074.17 lbf**	1' 11"****
Wire#8	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	24' 10"	0' 0"	1	1439 lbf*	Dynamic	1639.24 lbf**	1' 5"****
Wire#9	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	23' 2"	0' 0"	1	1439 lbf*	Dynamic	1661.13 lbf**	1' 4"****

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	91'	170 °	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	42' 1"	0' 0"	1	47 lbf*	Dynamic	166.03 lbf**	4' 10"****
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	42' 1"	0' 0"	1	47 lbf*	Dynamic	166.03 lbf**	4' 10"****
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Unguyed	42' 1"	0' 0"	1	47 lbf*	Dynamic	166.03 lbf**	4' 10"****

WEP#4											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	34'	11 °	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#13	4 Al. Triplex Service	SCE	Utility Service	Service	33' 5"	0' 0"	1	11 lbf*	Dynamic	36.7 lbf**	2' 3"****
Wire#15	.25" CATV Service	Unknown	Communication Service	Service	23' 8"	0' 0"	1	4 lbf*	Dynamic	13.79 lbf**	2' 4"****
Wire#14	.25" TELCO Service	Unknown	Communication Service	Service	23' 2"	0' 0"	1	4 lbf*	Dynamic	13.79 lbf**	2' 4"****

WEP#5											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	38'	168 °	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#16	1" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	24' 10"	0' 0"	1	43 lbf*	Dynamic	78.61 lbf**	2' 9****
Wire#18	.25" CATV Service	Unknown	Communication Service	Service	23' 8"	0' 0"	1	4 lbf*	Dynamic	15.64 lbf**	3' 0****
Wire#19	.25" CATV Service	Unknown	Communication Service	Service	23' 8"	0' 0"	1	4 lbf*	Dynamic	15.64 lbf**	3' 0****
Wire#17	1" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	23' 2"	0' 0"	1	43 lbf*	Dynamic	78.61 lbf**	2' 9****

WEP#3											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	10'	251 °	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#10	4 Al. Triplex Service	SCE	Utility Service	Service	33' 5"	0' 0"	1	11 lbf*	Dynamic	11.89 lbf**	0' 2****
Wire#12	.25" CATV Service	Unknown	Communication Service	Service	23' 8"	0' 0"	1	2 lbf*	Dynamic	2.04 lbf**	0' 5****
Wire#11	.25" TELCO Service	Unknown	Communication Service	Service	23' 2"	0' 0"	1	2 lbf*	Dynamic	2.04 lbf**	0' 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#1	Raptor Protection Cover	SCE	Cutout Arrestor	41' 11"	41' 11"	170 °

Anchors

Anchor#2										
Size	Owner	Lead	Direction	Height	Supporting					
1" Triple Eye - Anchor Rod and Plate	SCE	24' 1"	169 °	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	Unknown	24' 10"	44 °	N/A	N/A	N/A	N/A	2567.42 lbf*	2.13 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#1										
Size	Owner	Lead	Direction	Height	Supporting					
1" Triple Eye - Anchor Rod and Plate	SCE	26' 2"	169 °	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	40' 11"	33 °	N/A	N/A	N/A	N/A	3893.5 lbf*	4.32 lbf**
Guy#2	3/8" EHS	SCE	33' 5"	38 °	N/A	N/A	N/A	N/A	3008.85 lbf*	3.76 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	41' 11"	Other	251 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	170 °	0' 4"	Wire#1
Insulator#2	16 kV Deadend	343 °	0' 4"	Wire#5
Insulator#3	16 kV Deadend	170 °	6' 8"	Wire#2
Insulator#4	16 kV Deadend	343 °	6' 8"	Wire#6
Insulator#5	16 kV Deadend	170 °	9' 8"	Wire#3
Insulator#6	16 kV Deadend	343 °	9' 8"	Wire#7
Insulator#7	3" Spool Bolt	11 °	33' 5"	Wire#4, Wire#10, Wire#13

Point Loads

ID	Owner	Height	X Force	Y Force	Z Force
PointLoad#1	SCE	26' 0"	-951.74 lbf	-222.57 lbf	62.49 lbf

Location 1033135E Location Forms**SAP**

- Field Inspection Date: 10/19/2016
- 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: