

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	55/2	3.68 from stress at 3' 3"	2.12 (Guy#1)	No Data	No Data	No Data	No Data	100%	Y	N



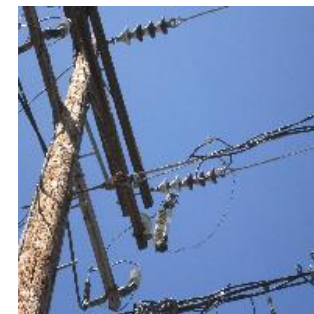
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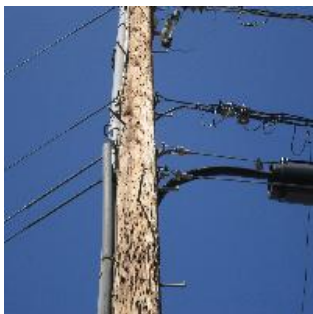
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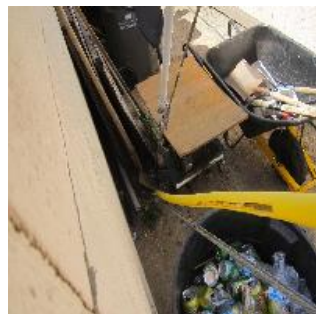
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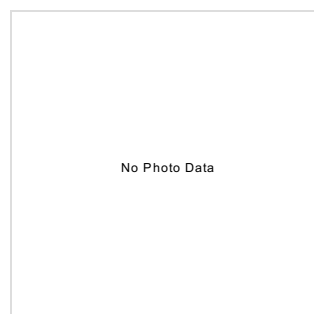
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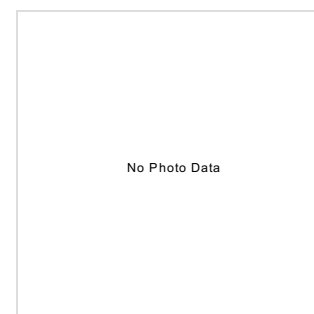
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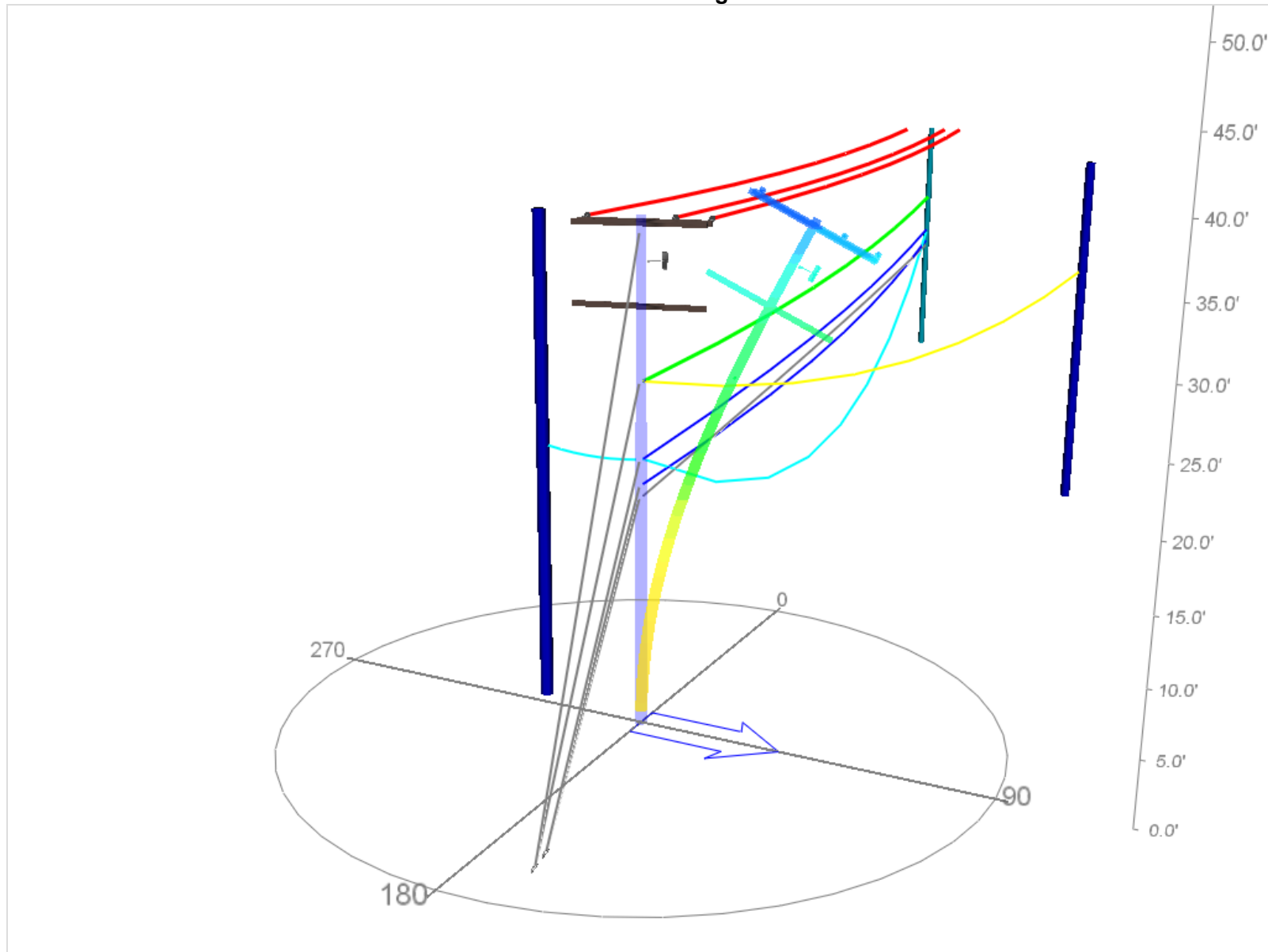


No Photo Data



No Photo Data

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	3.68 from stress at 3' 3"	2063 / 7600 lbf/in²	90 °	7600 lbf/in²
Guy#1	2.12	7270 / 15400 lbf	260 °	15400 lbf
Guy#2	3.8	4058 / 15400 lbf	260 °	15400 lbf
Guy#3	3.84	1731 / 6650 lbf	260 °	6650 lbf
Guy#4	3.87	3979 / 15400 lbf	260 °	15400 lbf
Guy#5	3.86	3989 / 15400 lbf	260 °	15400 lbf

Wire End Points and Wires

WEP#1												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	175'	350 °	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#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 4"	0' 0"	1	915 lbf*	Dynamic	1170.63 lbf**	2' 6"***	
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 4"	0' 0"	1	915 lbf*	Dynamic	1164.64 lbf**	2' 6"***	
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 4"	0' 0"	1	915 lbf*	Dynamic	1117.67 lbf**	2' 7"***	
Wire#4	1/0 Al. Triplex	SCE	Secondary	Light Full	26' 8"	0' 0"	1	793 lbf*	Dynamic	1298.18 lbf**	3' 1"***	
Wire#5	1" CATV 1/4" Messenger	Unknown	Communication	Light Full	20' 10"	0' 0"	1	841 lbf*	Dynamic	1301.33 lbf**	3' 1"***	
Wire#8	.25" CATV Service	Unknown	Communication Service	Service	20' 10"	0' 0"	1	15 lbf*	Dynamic	56.55 lbf**	17' 3"***	
Wire#9	.25" CATV Service	Unknown	Communication Service	Service	20' 10"	0' 0"	1	15 lbf*	Dynamic	56.55 lbf**	17' 3"***	
Wire#6	2.5" TELCO 3/8" Messenger	Unknown	Communication	Light Full	18' 11"	0' 0"	1	3751 lbf*	Dynamic	4278.17 lbf**	3' 4"***	
Wire#7	3/8" EHS	Unknown	Guy	Light Full	18' 0"	0' 0"	1	2100 lbf*	Dynamic	2223.58 lbf**	0' 9"***	

WEP#2

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Building	None	81'	11 °	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#10	4 Al. Triplex Service	SCE	Utility Service	Service	26' 8"	0' 0"	1	32 lbf*	Dynamic	116.39 lbf**	4' 6"***	

WEP#3

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Building	None	9'	279 °	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#11	.25" CATV Service	Unknown	Communication Service	Service	20' 10"	0' 0"	1	2 lbf*	Dynamic	2.04 lbf**	0' 4"***	

*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 3 Cutouts	SCE	Cutout Arrestor	35' 5"	35' 5"	80 °

Anchors

Anchor#2										
Size	Owner	Lead	Direction	Height	Supporting					
1" Triple Eye - Anchor Rod and Plate	Unknown	20' 6"	170 °	0' 0"	Other					

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	New, 12 lb, Grade A	
									Pretension	Tension
Guy#3	1/4" EHS	Unknown	20' 10"	45 °	N/A	N/A	N/A	N/A	1320.87 lbf*	-0.64 lbf**
Guy#4	3/8" EHS	Unknown	18' 11"	47 °	N/A	N/A	N/A	N/A	2980.59 lbf*	-0.88 lbf**
Guy#5	3/8" EHS	Unknown	18' 0"	49 °	N/A	N/A	N/A	N/A	2960.45 lbf*	-0.86 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 1/4" Triple Eye - Anchor Rod and Plate	SCE	22' 6"	170 °	0' 0"	Other					

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	New, 12 lb, Grade A	
									Pretension	Tension
Guy#1	3/8" EHS	SCE	37' 5"	31 °	N/A	N/A	N/A	N/A	4512.51 lbf*	-1.37 lbf**
Guy#2	3/8" EHS	SCE	26' 8"	40 °	N/A	N/A	N/A	N/A	3072.83 lbf*	-1.09 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	38' 2"	Other	260 °	5' 0"	Insulator#1, Insulator#2, Insulator#3
CrossArm#2	10 Foot Cross Arm	32' 4"	Other	260 °	5' 0"	

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	350 °	0' 4"	Wire#1
Insulator#2	16 kV Deadend	350 °	7' 0"	Wire#2
Insulator#3	16 kV Deadend	350 °	9' 8"	Wire#3
Insulator#4	3" Spool Bolt	350 °	26' 8"	Wire#4, Wire#10

Location 2209022E Location Forms

SAP

- Field Inspection Date: 10/19/2016
- 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: --
- As Designed Work Type: Replace
- Access Notes: