

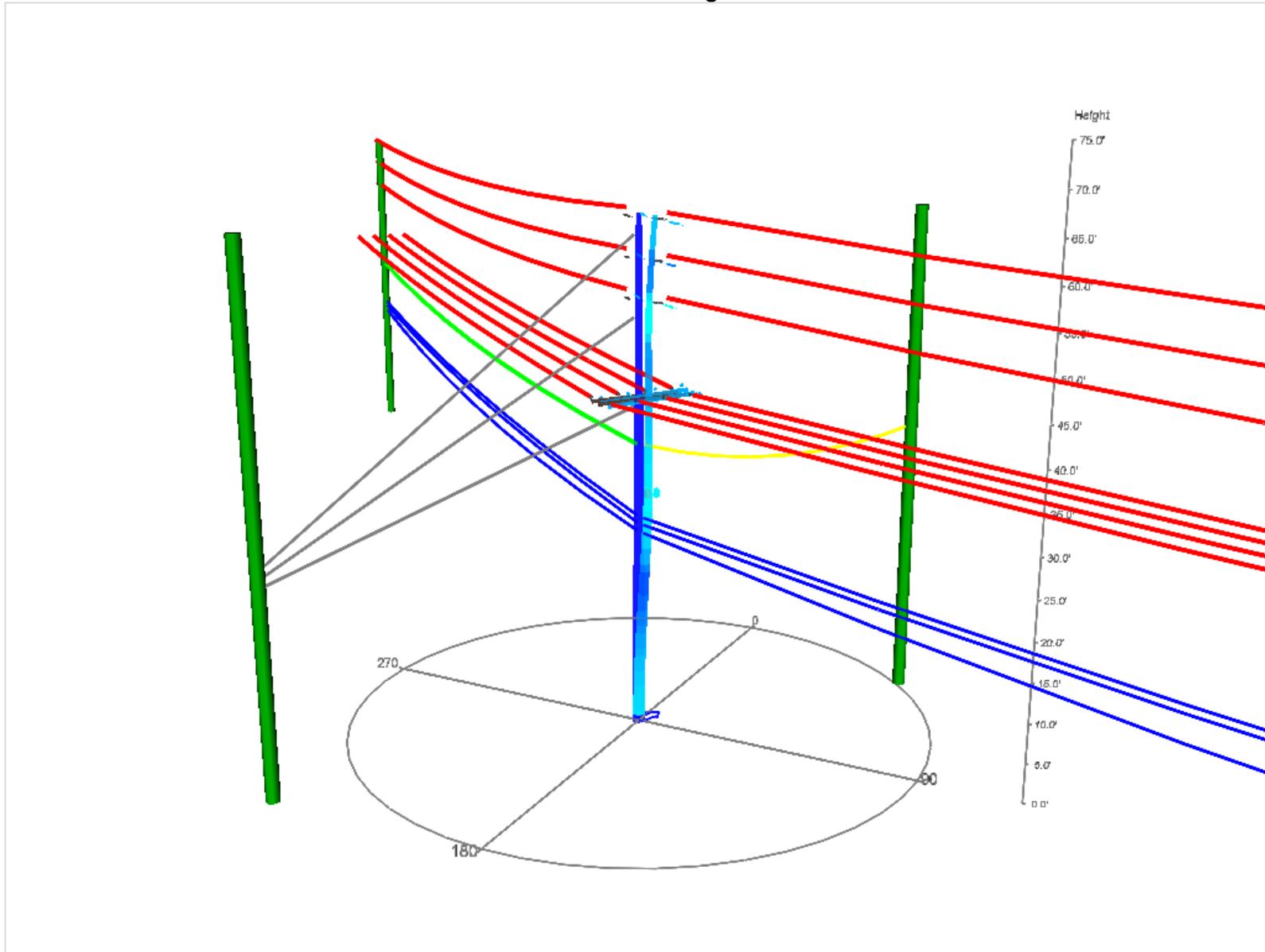
Location Properties

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 Designed	75/1	7.68 from stress at 54' 2"	2.25 (SpanGuy#3)	No Data	No Data	No Data	No Data	100%	Y	N

Measured: 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	7.68 from stress at 54' 2"	782 / 6000 lb/in ²	20 °	6000 lb/in ²
SpanGuy#1	5.44	2829 / 15400 lbf	30 °	15400 lbf
SpanGuy#2	4.42	3486 / 15400 lbf	20 °	15400 lbf
SpanGuy#3	2.25	6849 / 15400 lbf	20 °	15400 lbf

Wire End Points and Wires

WEP#3											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	38'	44 °	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	4 Al. Triplex Service	SCE	Utility Service	Service	37' 0"	0' 0"	1	11 lbf*	Dynamic	12.9 lbf**	2' 11"***

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	283'	106 °	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#6	653.9 ACSR Transmission	SCE	Primary	Light Full	65' 10"	0' 0"	1	1348 lbf*	Dynamic	2183.12 lbf**	5' 4"***
Wire#5	653.9 ACSR Transmission	SCE	Primary	Light Full	60' 10"	0' 0"	1	1348 lbf*	Dynamic	2186.94 lbf**	5' 4"***
Wire#4	653.9 ACSR Transmission	SCE	Primary	Light Full	55' 10"	0' 0"	1	1348 lbf*	Dynamic	2187.23 lbf**	5' 4"***
Wire#13	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1773 lbf*	Dynamic	2642.25 lbf**	4' 5"***
Wire#14	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1773 lbf*	Dynamic	2687.65 lbf**	4' 4"***
Wire#8	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1773 lbf*	Dynamic	2687.11 lbf**	4' 4"***
Wire#9	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1773 lbf*	Dynamic	2664 lbf**	4' 4"***
Wire#18	1" CATV 1/4" Messenger	Unknown	Communication	Light Full	27' 9"	0' 0"	1	844 lbf*	Dynamic	1533.34 lbf**	7' 1"***
Wire#20	1" CATV 1/4" Messenger	Unknown	Communication	Light Full	26' 10"	0' 0"	1	844 lbf*	Dynamic	1534.43 lbf**	7' 1"***
Wire#22	2" TELCO 5/16" Messenger	Unknown	Communication	Light Full	25' 9"	0' 0"	1	2356 lbf*	Dynamic	3113.52 lbf**	8' 8"***

WEP#4											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	48'	215 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Height	Midspan	Height @ WEP	In Service, 12 lb, Grade A					
						Pretension	Tension				
SpanGuy#1	3/8" EHS	SCE	63' 0"	61' 6"	28' 0"	1383.75 lbf†	5.5 lbf**				
SpanGuy#2	3/8" EHS	SCE	53' 0"	52' 0"	27' 0"	1853.8 lbf†	4.89 lbf**				
SpanGuy#3	3/8" EHS	SCE	42' 0"	42' 0"	26' 0"	3139.19 lbf†	3.44 lbf**				

WEP#2												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	192'	314 °	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	653.9 ACSR Transmission	SCE	Primary	Light Full	65' 10"	0' 0"	1	1193 lbF*	Dynamic	1932.25 lbF**	2' 6"***	
Wire#2	653.9 ACSR Transmission	SCE	Primary	Light Full	60' 10"	0' 0"	1	1193 lbF*	Dynamic	1934.43 lbF**	2' 6"***	
Wire#3	653.9 ACSR Transmission	SCE	Primary	Light Full	55' 10"	0' 0"	1	1193 lbF*	Dynamic	1929.44 lbF**	2' 6"***	
Wire#10	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1747 lbF*	Dynamic	2525.56 lbF**	1' 10"***	
Wire#11	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1747 lbF*	Dynamic	2472.91 lbF**	1' 11"***	
Wire#12	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1747 lbF*	Dynamic	2575.79 lbF**	1' 10"***	
Wire#7	336.4 ACSR Tree Wire	SCE	Primary	Light Full	43' 3"	0' 0"	1	1747 lbF*	Dynamic	2474.15 lbF**	1' 11"***	
Wire#15	4 Al. Triplex	SCE	Secondary	Light Full	37' 0"	0' 0"	1	265 lbF*	Dynamic	615.95 lbF**	4' 3"***	
Wire#17	1" CATV 1/4" Messenger	Unknown	Communication	Light Full	27' 9"	0' 0"	1	841 lbF*	Dynamic	1284.03 lbF**	3' 4"***	
Wire#19	1" CATV 1/4" Messenger	Unknown	Communication	Light Full	26' 10"	0' 0"	1	841 lbF*	Dynamic	1284.22 lbF**	3' 4"***	
Wire#21	2" TELCO 5/16" Messenger	Unknown	Communication	Light Full	25' 9"	0' 0"	1	2348 lbF*	Dynamic	2836.68 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	Mast Antenna 24" x 1"	Unknown	Joint Use Box	31' 0"	31' 0"	44 °

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	12 Foot Double Cross Arm	43' 0"	Other	215 °	6' 0"	Insulator#7, Insulator#8, Insulator#9, Insulator#10, Insulator#11, Insulator#12, Insulator#13, Insulator#14

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	115 kV Horizontal Line Post	313 °	60' 0"	Wire#2
Insulator#2	115 kV Horizontal Line Post	313 °	55' 0"	Wire#3
Insulator#3	115 kV Horizontal Line Post	313 °	65' 0"	Wire#1
Insulator#4	115 kV Horizontal Line Post	106 °	60' 0"	Wire#5
Insulator#5	115 kV Horizontal Line Post	106 °	55' 0"	Wire#4
Insulator#6	115 kV Horizontal Line Post	106 °	65' 0"	Wire#6
Insulator#7	16 kV Deadend	314 °	0' 4"	Wire#12
Insulator#8	16 kV Deadend	106 °	0' 4"	Wire#13
Insulator#9	16 kV Deadend	314 °	11' 8"	Wire#7
Insulator#10	16 kV Deadend	106 °	11' 8"	Wire#8
Insulator#11	16 kV Deadend	314 °	4' 1"	Wire#10
Insulator#12	16 kV Deadend	106 °	4' 1"	Wire#9
Insulator#13	16 kV Deadend	314 °	7' 11"	Wire#11
Insulator#14	16 kV Deadend	106 °	7' 11"	Wire#14

Location 2303921E Location Forms

SAP

- Field Inspection Date: 02/16/2022
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: --
- Region: --
- 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: