

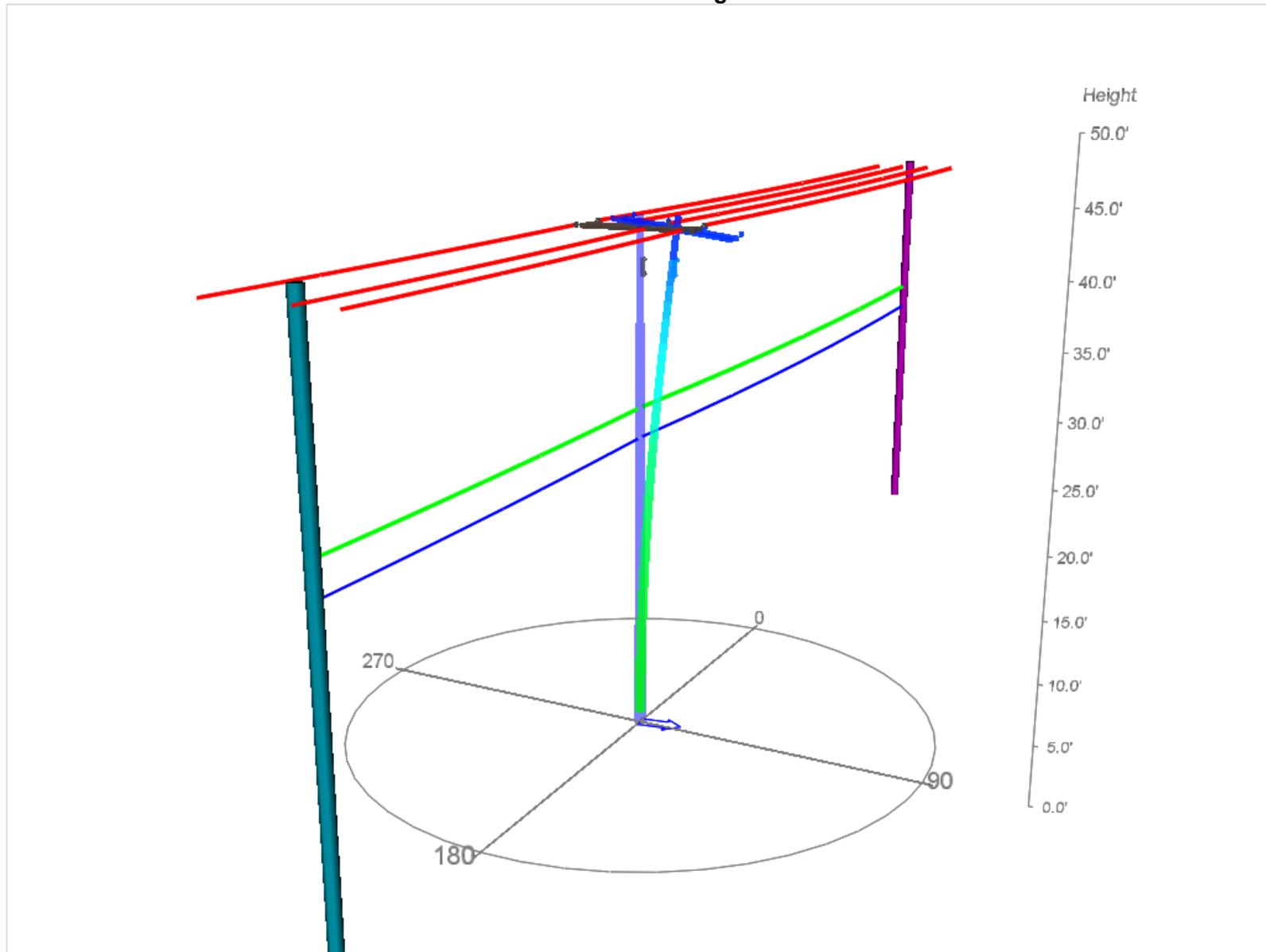
**Location Properties**

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	50/3	4.08 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	Y

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	4.08 from stress at 3' 3"	1862 / 7600 lb/in <sup>2</sup>	80 °	7600 lb/in <sup>2</sup>

Wire End Points and Wires

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	79'	358 °	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	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 4"	0' 0"	1	1717 lbf*	Dynamic	2131.54 lbf**	0' 5****
Wire#3	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 4"	0' 0"	1	1717 lbf*	Dynamic	1808.29 lbf**	0' 6****
Wire#4	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 4"	0' 0"	1	1717 lbf*	Dynamic	2555.28 lbf**	0' 4****
Wire#8	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 4"	0' 0"	1	1717 lbf*	Dynamic	2248.83 lbf**	0' 5****
Wire#12	1/0 WP Al.	SCE	Secondary	Light Full	27' 8"	0' 0"	1	237 lbf*	Dynamic	490.15 lbf**	0' 9****
Wire#7	1/0 WP Al.	SCE	Secondary	Light Full	27' 8"	0' 0"	1	237 lbf*	Dynamic	490.15 lbf**	0' 9****
Wire#9	1/0 WP Al.	SCE	Secondary	Light Full	27' 8"	0' 0"	1	237 lbf*	Dynamic	490.15 lbf**	0' 9****
Wire#15	1.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	25' 2"	0' 0"	1	1093 lbf*	Dynamic	1375.75 lbf**	0' 11****

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	43'	178 °	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	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 4"	0' 0"	1	1717 lbf*	Dynamic	3271.62 lbf**	0' 1****
Wire#5	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 4"	0' 0"	1	1717 lbf*	Dynamic	2417.04 lbf**	0' 1****
Wire#6	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 4"	0' 0"	1	1717 lbf*	Dynamic	3039.7 lbf**	0' 1****
Wire#10	1/0 WP Al.	SCE	Secondary	Light Full	27' 8"	0' 0"	1	237 lbf*	Dynamic	513.84 lbf**	0' 3****
Wire#11	1/0 WP Al.	SCE	Secondary	Light Full	27' 8"	0' 0"	1	237 lbf*	Dynamic	513.84 lbf**	0' 3****
Wire#13	1/0 WP Al.	SCE	Secondary	Light Full	27' 8"	0' 0"	1	237 lbf*	Dynamic	513.84 lbf**	0' 3****
Wire#14	1.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	25' 2"	0' 0"	1	1093 lbf*	Dynamic	1329.96 lbf**	0' 3****

\*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#2	OH Disconnect Switch on XArm (Horizontal)	SCE	Switch	39' 8"	39' 8"	359 °

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	42' 2"	Bisector	88 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6, Insulator#7

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	358 °	0' 4"	Wire#4
Insulator#2	16 kV Deadend	178 °	0' 4"	Wire#5
Insulator#3	16 kV Deadend	358 °	9' 8"	Wire#8
Insulator#4	16 kV Deadend	178 °	9' 8"	Wire#6
Insulator#5	16 kV Deadend	358 °	3' 5"	Wire#16
Insulator#6	16 kV Deadend	178 °	3' 5"	Wire#2
Insulator#7	16 kV Deadend	358 °	6' 7"	Wire#3

## Location 4789063E Location Forms

## SAP

- Field Inspection Date: 03/26/2022
- High Fire: No
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: --
- Region: --
- Above 3000 Ft Elevation: --
- 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: