

## Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

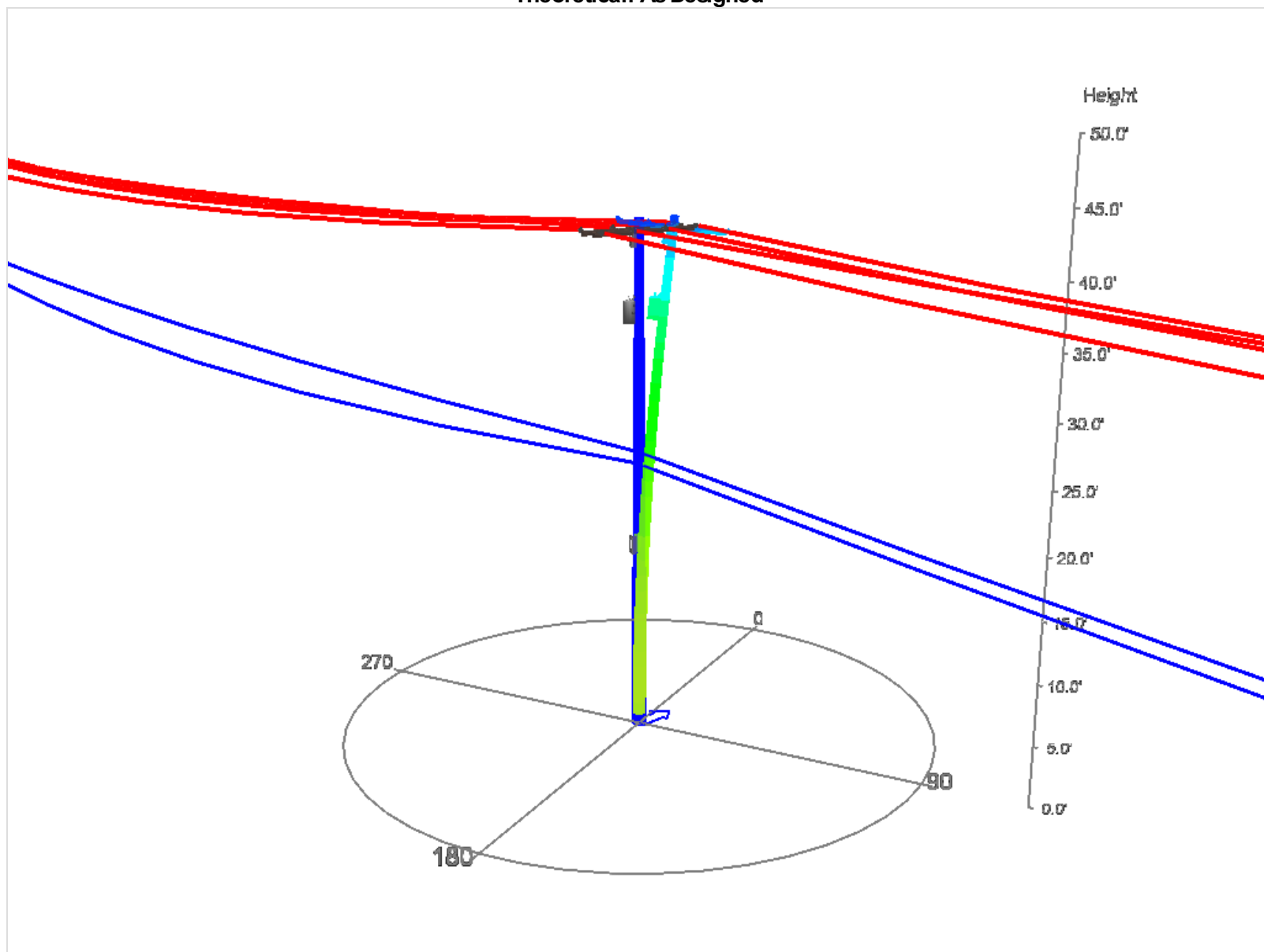
Cross Street 2:

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'/H1	2.91 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	2.91 from stress at 3' 3"	2612 / 7600 lb/in <sup>2</sup>	20 °	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				
Other Pole	None	236'	115 °	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 Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1746 lbf*	Dynamic	2955.76 lbf**	3' 9****
Wire#2	653.9 ACSR Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1746 lbf*	Dynamic	2994.39 lbf**	3' 8****
Wire#5	653.9 ACSR Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1746 lbf*	Dynamic	3003.84 lbf**	3' 8****
Wire#6	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1758 lbf*	Dynamic	2856.38 lbf**	2' 10****
Wire#10	.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	24' 0"	0' 0"	1	1216 lbf*	Dynamic	1731.04 lbf**	2' 7****
Wire#11	.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	23' 0"	0' 0"	1	1216 lbf*	Dynamic	1726.25 lbf**	2' 7****

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	255'	295 °	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#3	653.9 ACSR Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1779 lbf*	Dynamic	2901.2 lbf**	4' 5****
Wire#4	336.4 ACSR Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1763 lbf*	Dynamic	2720.75 lbf**	3' 5****
Wire#7	653.9 ACSR Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1779 lbf*	Dynamic	2906.49 lbf**	4' 5****
Wire#8	653.9 ACSR Tree Wire	SCE	Primary	Light Full	42' 2"	0' 0"	1	1779 lbf*	Dynamic	2939.08 lbf**	4' 4****
Wire#9	.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	24' 0"	0' 0"	1	1217 lbf*	Dynamic	1454.97 lbf**	3' 7****
Wire#12	2" TELCO 5/16" Messenger	Unknown	Communication	Light Full	23' 0"	0' 0"	1	2353 lbf*	Dynamic	3031.24 lbf**	7' 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#3	Omni Switch Horizontal	SCE	Switch	42' 0"	42' 0"	295 °
Equip#1	Power Control Transformer Dry 0.5 kVA	SCE	Transformer	36' 0"	36' 0"	295 °
Equip#2	RCS Control Box- Switch	SCE	Switch	16' 6"	16' 6"	295 °

## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	42' 0"	Other	25 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6, Insulator#7, Insulator#8

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Deadend	115 °	0' 4"	Wire#1
Insulator#2	12 kV Deadend	295 °	0' 4"	Wire#8
Insulator#3	12 kV Deadend	115 °	9' 8"	Wire#5
Insulator#4	12 kV Deadend	295 °	9' 8"	Wire#3
Insulator#5	12 kV Deadend	115 °	3' 5"	Wire#2
Insulator#6	12 kV Deadend	295 °	3' 5"	Wire#7
Insulator#7	12 kV Deadend	115 °	6' 7"	Wire#6
Insulator#8	12 kV Deadend	295 °	6' 7"	Wire#4

## Location 1952513E Location Forms

## SAP

- Field Inspection Date: 01/20/2022
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 48 - Fullerton
- Region: ED-SE-ORANGERE
- 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: