

## Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

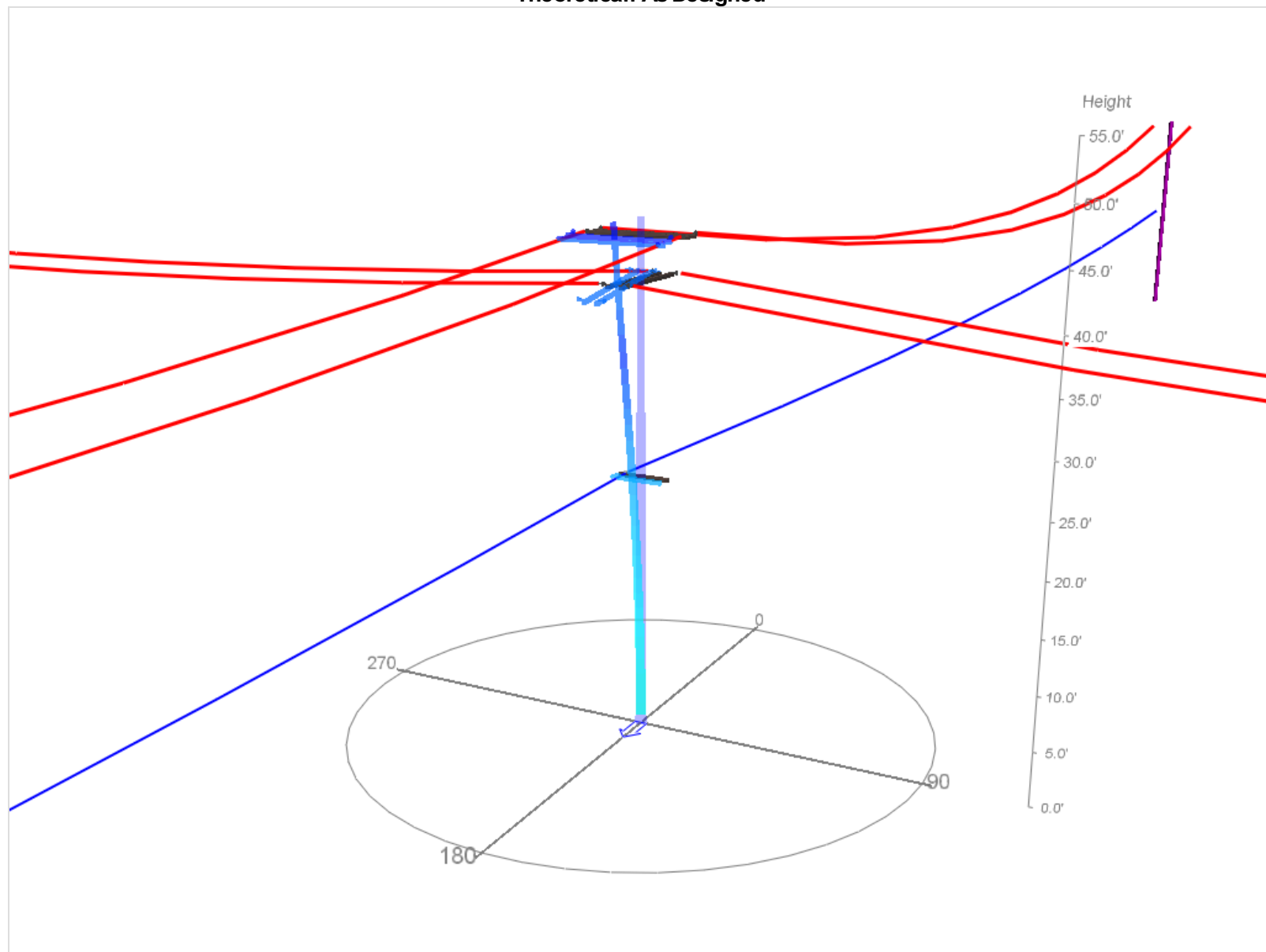
Cross Street 2:

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	55/3	10.92 from stress at 1' 0"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

## Theoretical: As Designed



## Analysis Results

## Loading

Component	New, 12 lb, Grade B (Governing Case)			New, Heavy, 6 lb, Grade B			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	10.92 from stress at 1' 0"	696 / 7600 lb/in <sup>2</sup>	180 °	13.87 from stress at 41' 0"	548 / 7600 lb/in <sup>2</sup>	270 °	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	304'	0 °	Undefined.	0 °	N/A	N/A							
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade B		New, Heavy y. 6 lb, Grade B	
											Tension	Sag	Tension	Sag
	Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	46' 2"	0' 0"	0.25	303.5 lbf*	Dynamic	388.7 lbf**	8' 4"***	1377.02 lbf**	11' 5"***
	Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	46' 2"	0' 0"	0.25	303.5 lbf*	Dynamic	387.79 lbf**	8' 4"***	1373.11 lbf**	11' 5"***
	Wire#9	Car. Sol. - 048 - 500' - CLDB	Edison Carrier Solution	Communication	Heavy Full	24' 2"	0' 0"	1	437 lbf*	Dynamic	434.11 lbf**	2' 11"***	972.28 lbf**	13' 3"***

WEP#2																							
Type	Environment		Distance		Direction		GPS Point		Inclination		Measured Between		Measured to Ground										
Previous Pole	None		214'		180 °		Undefined.		0 °		N/A		N/A										
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade B		New, Heavy, 6 lb, Grade B											
										Tension	Sag	Tension	Sag										
										Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	46' 2"	0' 0"	0.28	319.48 lbf*	Dynamic	218.89 lbf**	7' 3****	1402.5 lbf**	5' 6****
										Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	46' 2"	0' 0"	0.28	319.48 lbf*	Dynamic	219.39 lbf**	7' 3****	1412.72 lbf**	5' 6****
Wire#10	Car. Sol. - 048 - 500' - CLDB	Edison Carrier Solution	Communication	Heavy Full	24' 2"	0' 0"	1	303 lbf*	Dynamic	313.65 lbf**	2' 0****	824.23 lbf**	7' 9****										

WEP#3																							
Type	Environment		Distance		Direction		GPS Point		Inclination		Measured Between		Measured to Ground										
Other Pole	None		294'		90 °		Undefined.		0 °		N/A		N/A										
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade B		New, Heavy, 6 lb, Grade B											
										Tension	Sag	Tension	Sag										
										Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	42' 2"	0' 0"	0.28	337.12 lb*	Dynamic	871.5 lb**	9' 8****	1295.52 lb**	8' 9****
										Wire#7	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	42' 2"	0' 0"	0.28	337.12 lb*	Dynamic	872.65 lb**	9' 8****	1298.73 lb**	8' 9****

WEP#4

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Other Pole	None	164'	270 °	Undefined.	0 °	N/A	N/A

ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade B		New, Heavy, 6 lb, Grade B	
										Tension	Sag	Tension	Sag
Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	42' 2"	0' 0"	0.31	336.66 lbf*	Dynamic	861.55 lbf**	3' 1'****	952.56 lbf**	3' 8'****
Wire#8	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	42' 2"	0' 0"	0.31	336.66 lbf*	Dynamic	866.66 lbf**	3' 0'****	959.56 lbf**	3' 8'****

\*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.

## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	46' 0"	Bisector	90 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4
CrossArm#2	10 Foot Double Cross Arm	42' 0"	Other	0 °	5' 0"	Insulator#5, Insulator#6, Insulator#7, Insulator#8
CrossArm#3	5 Foot Cross Arm	24' 0"	Bisector	90 °	2' 6"	Insulator#9

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Deadend	0 °	0' 4"	Wire#3
Insulator#2	12 kV Deadend	180 °	0' 4"	Wire#4
Insulator#3	12 kV Deadend	0 °	9' 8"	Wire#2
Insulator#4	12 kV Deadend	180 °	9' 8"	Wire#1
Insulator#5	12 kV Deadend	270 °	0' 4"	Wire#5
Insulator#6	12 kV Deadend	90 °	0' 4"	Wire#7
Insulator#7	12 kV Deadend	270 °	9' 8"	Wire#8
Insulator#8	12 kV Deadend	90 °	9' 8"	Wire#6
Insulator#9	3 Bolt Suspension Clamp	0 °	4' 4"	Wire#9, Wire#10

## Location 4120974E Location Forms

## SAP

- Field Inspection Date: 03/09/2023
- High Fire: Elevated
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 73 - Victorville
- Region: ED-SE-DESERTRE
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Replace
- 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: