SPIDACalc

Location: 3, 4594376E

Project: TD2113099
Lead: 1, Lead

Location Properties

Technician: [redacted]
Address:
City:
County:
Cross Street 1:
Remedy:
Comments:

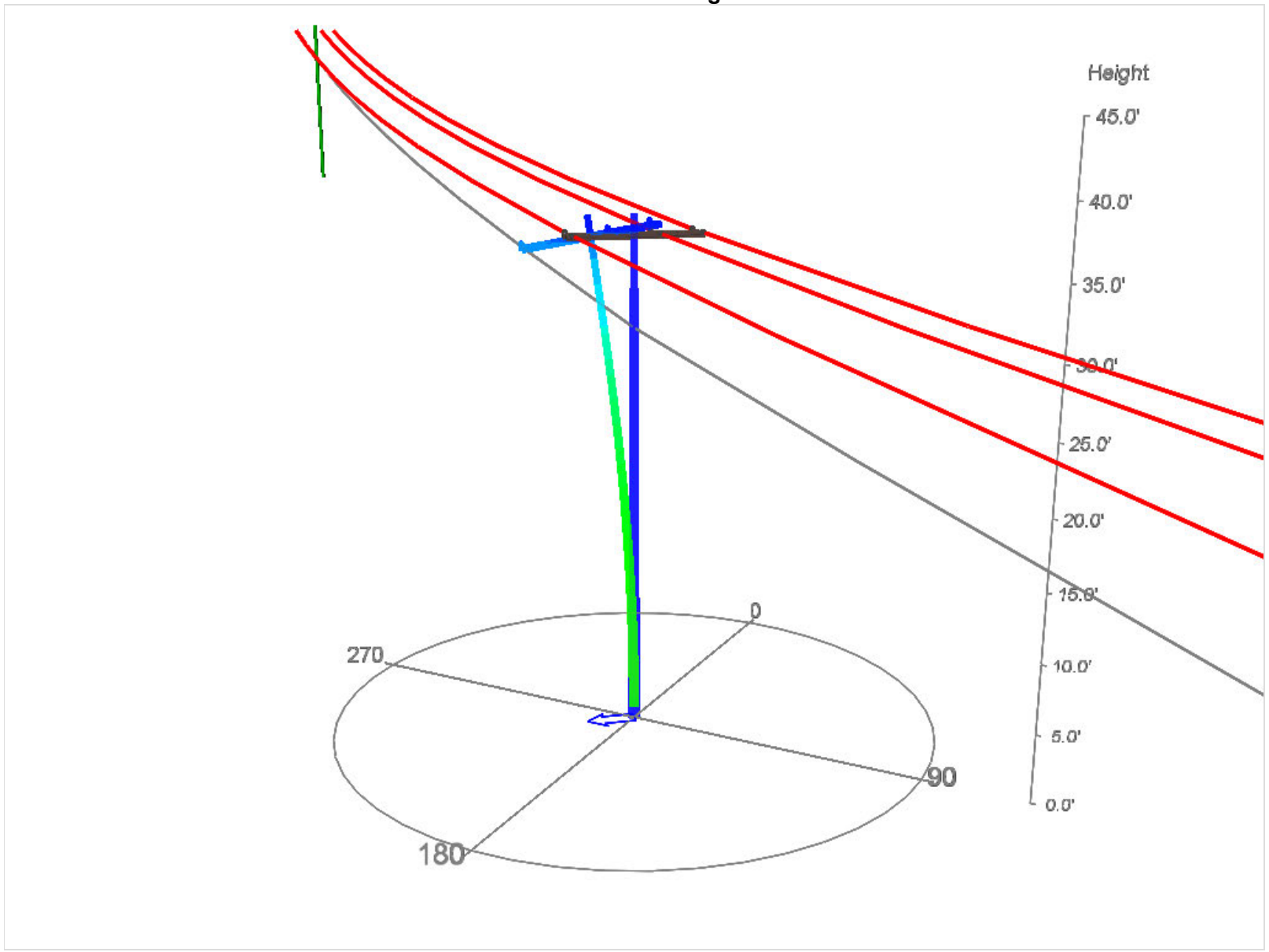
Map Number:
Pole Tags:
State:
Zip Code:
Cross Street 2:
Summary Notes:

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	45'/4	3 9 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

SPIDACalc

Theoretical: As Designed



Analysis Results

Loading

Component	In Service, Light, 8 lb, Grade B (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3 9 from stress at 3' 3"	2112 / 8000 lb/in	230 °	8000 lb/in

Wire End Points and Wires

WEP#1

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Other Pole	None	304'	13 °	Undefined	2 °	N/A	N/A

ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Light, 8 lb, Grade B	
										Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 8"	0' 0"	1	818 lbf	Dynamic	1437.09 lbf	4' 6"
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 8"	0' 0"	1	818 lbf	Dynamic	1405.91 lbf	4' 7"
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 8"	0' 0"	1	818 lbf	Dynamic	1391.13 lbf	4' 8"
Wire#8	9/32" EHS	SCE	Guy	Light Full	30' 0"	0' 0"	1	600 lbf	Dynamic	939.93 lbf	3' 1"

WEP#2

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Other Pole	None	299'	31 °	Undefined	4 °	N/A	N/A

ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Light, 8 lb, Grade B	
										Tension	Sag
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 8"	0' 0"	1	829 lbf	Dynamic	1458.95 lbf	4' 3"
Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 8"	0' 0"	1	829 lbf	Dynamic	1402.65 lbf	4' 5"
Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	36' 8"	0' 0"	1	829 lbf	Dynamic	1376.29 lbf	4' 6"
Wire#7	9/32" EHS	SCE	Guy	Light Full	30' 0"	0' 0"	1	600 lbf	Dynamic	932.4 lbf	3' 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

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	36' 6"	Other	4 °	5' 0"	Insulator#4, Insulator#5, Insulator#2, Insulator#6, Insulator#3, Insulator#

Insulators

ID	Size	Direction	Offset	Wires
Insulator#4	12 kV Deadend	13 °	9' 8"	Wire#1
Insulator#5	12 kV Deadend	31 °	9' 8"	Wire#2
Insulator#2	12 kV Deadend	13 °	3' 5"	Wire#3
Insulator#6	12 kV Deadend	31 °	3' 5"	Wire#5
Insulator#3	12 kV Deadend	13 °	0' 4"	Wire#4
Insulator#	12 kV Deadend	31 °	0' 4"	Wire#6

Location 4594376E Location Forms

SAP

- **Field Inspection Date:** 10/26/2022
- **High Fire:** Elevated
- **Special Project:** No
- **Associated Poles:**
- **Visible Damage:** No
- **Pole Type:** ED
- **District:** 51 San Joaquin Valley
- **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:**