

Location Properties

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

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

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 Is	65/1	3.2 from stress at 8' 2"	No Data	No Data	No Data	No Data	No Data	100%	Y	N
As Designed	65/1	3.3 from stress at 4' 11"	No Data	No Data	No Data	No Data	No Data	100%	Y	N



N/A



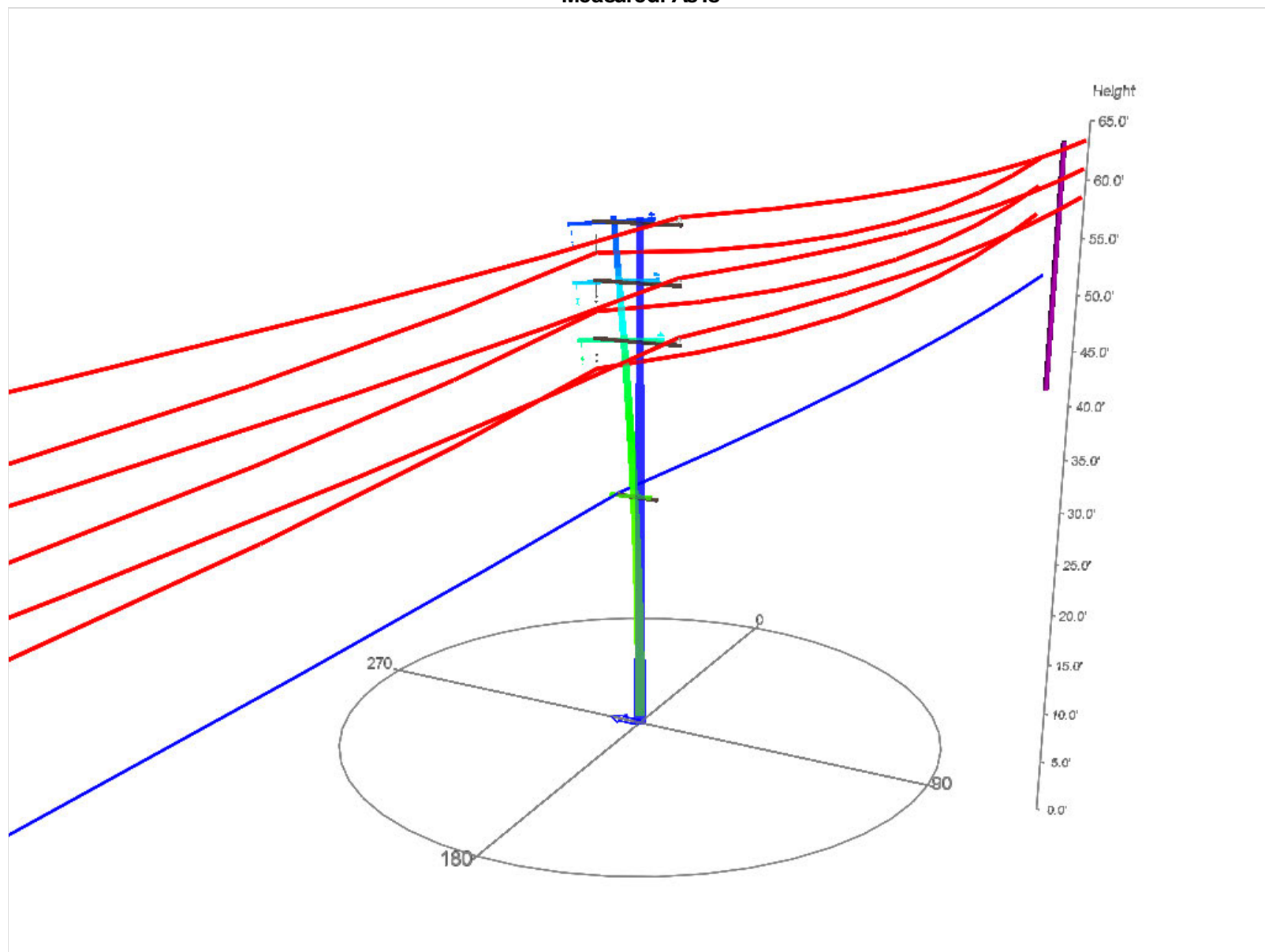
N/A



N/A



Measured: As Is



Analysis Results

Loading

Component	In Service, Heavy, 6 lb, Grade B (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3.2 from stress at 8' 2"	2446 / 8000 lb/in	2 0 °	8000 lb/in

Wire End Points and Wires

WEP#2

Type	Environment		Distance	Direction	GPS Point		Inclination	Measured Between		Measured to Ground		
Next Pole	Street		200'	0 °	Undefined		0 °	N/A		N/A		
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade B	
											Tension	Sag
	Wire#10	336.4 ACSR Merlin	SCE	Primary	Heavy Full	55' 3"	0' 0"	1	748 lbf	Dynamic	2895.18 lbf	2' 5"
	Wire#7	4/0 Copper Transmission	SCE	Primary	Heavy Full	51' 4"	0' 0"	1	612 lbf	Dynamic	1541.03 lbf	4' 10"
	Wire#11	336.4 ACSR Merlin	SCE	Primary	Heavy Full	49' 3"	0' 0"	1	748 lbf	Dynamic	2850 lbf	2' 5"
	Wire#8	4/0 Copper Transmission	SCE	Primary	Heavy Full	45' 4"	0' 0"	1	612 lbf	Dynamic	1527.28 lbf	4' 11"
	Wire#12	336.4 ACSR Merlin	SCE	Primary	Heavy Full	43' 3"	0' 0"	1	748 lbf	Dynamic	2816.07 lbf	2' 6"
	Wire#9	4/0 Copper Transmission	SCE	Primary	Heavy Full	39' 4"	0' 0"	1	612 lbf	Dynamic	1518.3 lbf	4' 11"
	Wire#14	Car Sol 048 500' CLDB	Edison Carrier Solution	Communication	Heavy Full	26' 2"	0' 0"	1	269 lbf	Dynamic	5 3 lbf	4"

WEP#1

Type	Environment			Distance	Direction		GPS Point		Inclination		Measured Between		Measured to Ground	
Previous Pole	Street			208'	180 °		Undefined		0 °		N/A		N/A	
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade B			
											Tension	Sag		
	Wire#4	336.4 ACSR Merlin	SCE	Primary	Heavy Full	55' 3"	0' 0"	1	748 lbf	Dynamic	2862.02 lbf	2' 7"		
	Wire#1	4/0 Copper Transmission	SCE	Primary	Heavy Full	51' 4"	0' 0"	1	618 lbf	Dynamic	1539 lbf	5' 3"		
	Wire#5	336.4 ACSR Merlin	SCE	Primary	Heavy Full	49' 3"	0' 0"	1	748 lbf	Dynamic	2835.68 lbf	2' 8"		
	Wire#2	4/0 Copper Transmission	SCE	Primary	Heavy Full	45' 4"	0' 0"	1	618 lbf	Dynamic	1534.59 lbf	5' 3"		
	Wire#6	336.4 ACSR Merlin	SCE	Primary	Heavy Full	43' 3"	0' 0"	1	748 lbf	Dynamic	2814.8 lbf	2' 8"		
	Wire#3	4/0 Copper Transmission	SCE	Primary	Heavy Full	39' 4"	0' 0"	1	618 lbf	Dynamic	1529.97 lbf	5' 4"		
	Wire#13	Car Sol 048 500' CLDB	Edison Carrier Solution	Communication	Heavy Full	26' 2"	0' 0"	1	303 lbf	Dynamic	3 65 lbf	9"		

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

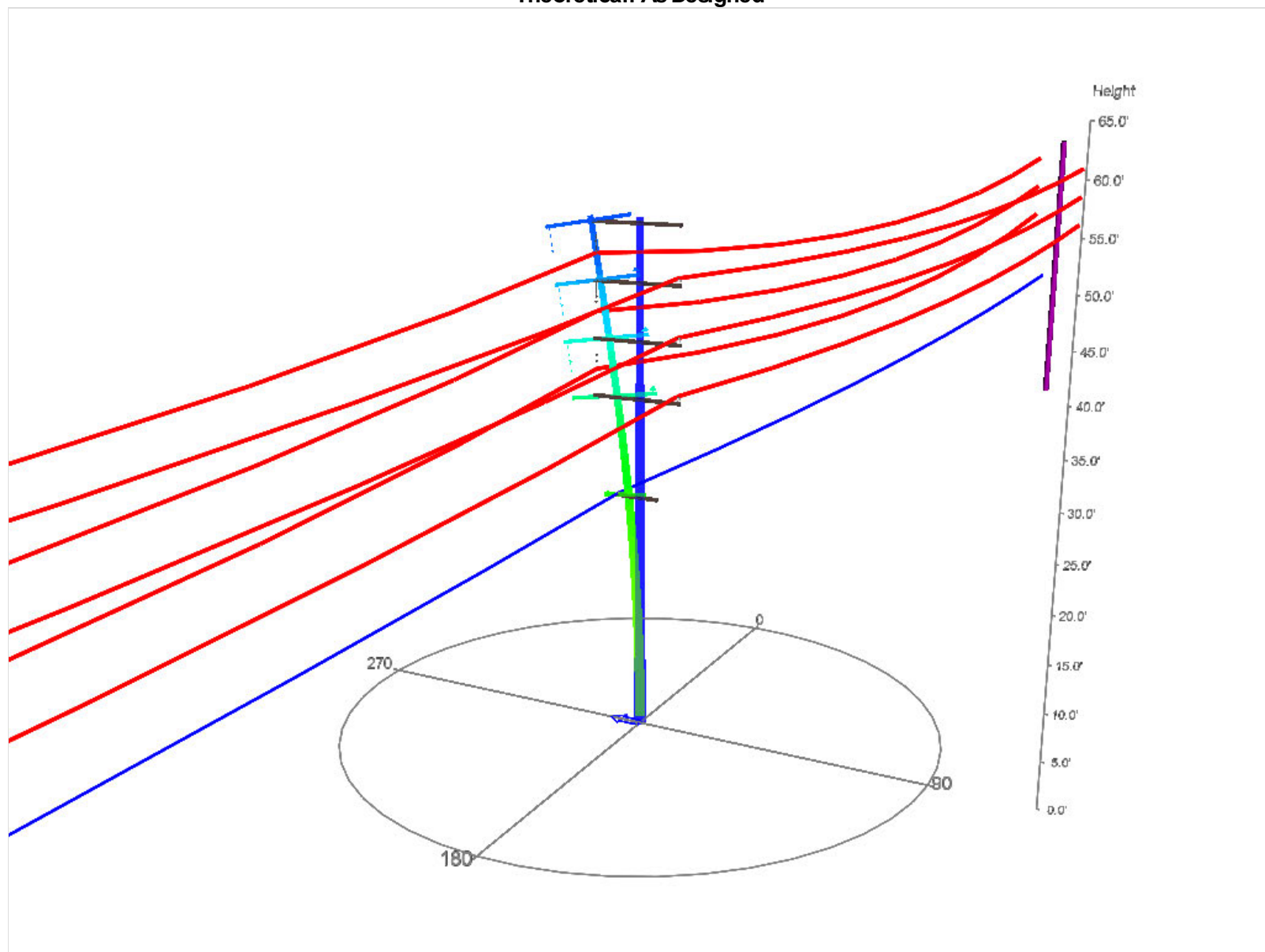
Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	54' 6"	Other	2 0 °	5' 0"	Insulator#1, Insulator#4
CrossArm#2	10 Foot Cross Arm	48' 6"	Other	2 0 °	5' 0"	Insulator#2, Insulator#5
CrossArm#3	10 Foot Cross Arm	42' 6"	Other	2 0 °	5' 0"	Insulator#3, Insulator#6
CrossArm#4	5 Foot Cross Arm	26' 0"	Other	2 1 °	2' 6"	Insulator#

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	66 kV Suspension	0 °	0' 4"	Wire# , Wire#1
Insulator#4	12 kV Pin (Cross Arm	0 °	9' 8"	Wire#10, Wire#4
Insulator#2	66 kV Suspension	0 °	0' 4"	Wire#8, Wire#2
Insulator#5	12 kV Pin (Cross Arm	0 °	9' 8"	Wire#11, Wire#5
Insulator#3	66 kV Suspension	0 °	0' 4"	Wire#9, Wire#3
Insulator#6	12 kV Pin (Cross Arm	0 °	9' 8"	Wire#12, Wire#6
Insulator#	3" Spool Bolt	0 °	0' 4"	Wire#14, Wire#13

Theoretical: As Designed



Analysis Results

Loading

Component	In Service, Heavy, 6 lb, Grade B (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3.3 from stress at 4' 11"	2428 / 8000 lb/in	270°	8000 lb/in

Wire End Points and Wires

WEP#2

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Next Pole	Street	200'	0 °	Undefined	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade B	
											Tension	Sag
	Wire#7	4/0 Copper Transmission	SCE	Primary	Heavy Full	51' 4"	0' 0"	1	612 lbf	Dynamic	1544.01 lbf	4' 10"
	Wire#11	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	49' 3"	0' 0"	1	891 lbf	Dynamic	2924.5 lbf	3' 1"
	Wire#8	4/0 Copper Transmission	SCE	Primary	Heavy Full	45' 4"	0' 0"	1	612 lbf	Dynamic	1528.88 lbf	4' 11"
	Wire#12	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	43' 3"	0' 0"	1	891 lbf	Dynamic	2891.88 lbf	3' 2"
	Wire#9	4/0 Copper Transmission	SCE	Primary	Heavy Full	39' 4"	0' 0"	1	612 lbf	Dynamic	1517.93 lbf	4' 11"
	Wire#10	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 3"	0' 0"	1	891 lbf	Dynamic	2869.95 lbf	3' 2"
	Wire#14	Car Sol 048 500' CLDB	Edison Carrier Solution	Communication	Heavy Full	26' 2"	0' 0"	1	269 lbf	Dynamic	56 95 lbf	4"

WEP#1

Type	Environment		Distance	Direction		GPS Point		Inclination	Measured Between		Measured to Ground	
Previous Pole	Street		208'	180 °		Undefined		0 °	N/A		N/A	
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade B	
											Tension	Sag
	Wire#1	4/0 Copper Transmission	SCE	Primary	Heavy Full	51' 4"	0' 0"	1	618 lbf	Dynamic	1535.73 lbf	5' 3"
	Wire#5	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	49' 3"	0' 0"	1	892 lbf	Dynamic	2886.82 lbf	3' 5"
	Wire#2	4/0 Copper Transmission	SCE	Primary	Heavy Full	45' 4"	0' 0"	1	618 lbf	Dynamic	1532.99 lbf	5' 4"
	Wire#6	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	43' 3"	0' 0"	1	892 lbf	Dynamic	2876.87 lbf	3' 5"
	Wire#3	4/0 Copper Transmission	SCE	Primary	Heavy Full	39' 4"	0' 0"	1	618 lbf	Dynamic	1530.51 lbf	5' 4"
	Wire#4	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 3"	0' 0"	1	892 lbf	Dynamic	2868.47 lbf	3' 5"
	Wire#13	Car Sol 048 500' CLDB	Edison Carrier Solution	Communication	Heavy Full	26' 2"	0' 0"	1	303 lbf	Dynamic	4 02 lbf	9"

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Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	54' 6"	Other	2 0 °	5' 0"	Insulator#1
CrossArm#2	10 Foot Cross Arm	48' 6"	Other	2 0 °	5' 0"	Insulator#2, Insulator#5
CrossArm#3	10 Foot Cross Arm	42' 6"	Other	2 0 °	5' 0"	Insulator#3, Insulator#6
CrossArm#4	5 Foot Cross Arm	26' 0"	Other	2 1 °	2' 6"	Insulator#
CrossArm#5	10 Foot Cross Arm	36' 6"	Other	2 0 °	5' 0"	Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	66 kV Suspension	0 °	0' 4"	Wire# , Wire#1
Insulator#4	12 kV Pin (Cross Arm	0 °	9' 8"	Wire#10, Wire#4
Insulator#2	66 kV Suspension	0 °	0' 4"	Wire#8, Wire#2
Insulator#5	12 kV Pin (Cross Arm	0 °	9' 8"	Wire#11, Wire#5
Insulator#3	66 kV Suspension	0 °	0' 4"	Wire#9, Wire#3
Insulator#6	12 kV Pin (Cross Arm	0 °	9' 8"	Wire#12, Wire#6
Insulator#	3" Spool Bolt	0 °	0' 4"	Wire#14, Wire#13

Location 4141366E Location Forms

SAP

- Field Inspection Date: 02/2 /2020
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: EZ
- District: 52 Tehachapi
- Region:
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- Pole Equipment #: 202134940
- Previous Inspection Date: 9/14/201
- Year Installed: 199
- 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: