

## Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

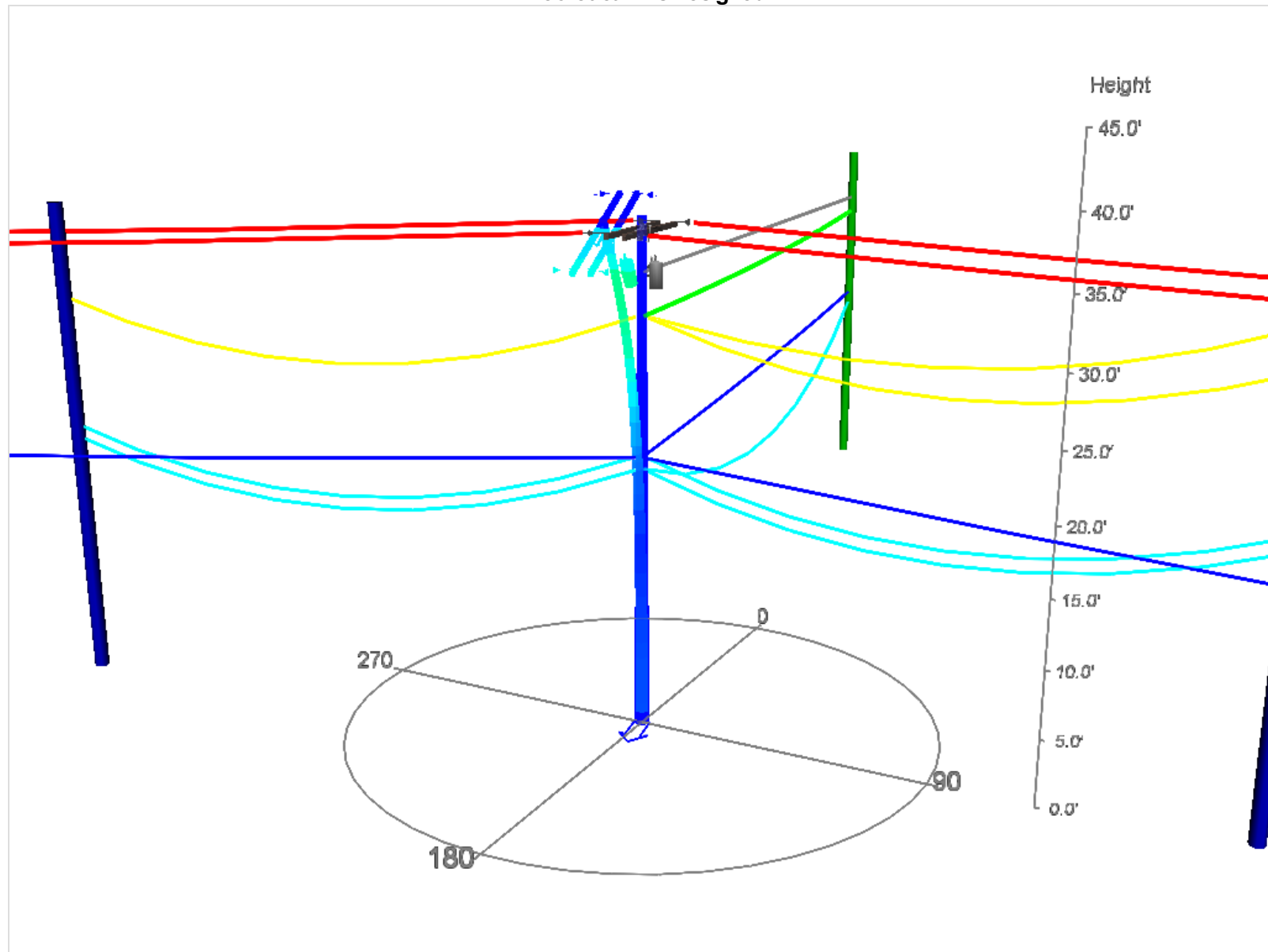
Cross Street 2:

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	45/2	5.6 from stress at 32' 10"	7.83 (SpanGuy#1)	No Data	No Data	No Data	No Data	100%	Y	N

## 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	5.6 from stress at 32' 10"	1358 / 7600 lb/in <sup>2</sup>	170 °	7600 lb/in <sup>2</sup>
SpanGuy#1	7.83	1142 / 8950 lbf	180 °	8950 lbf

## Wire End Points and Wires

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	217'	96 °	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	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	883 lbf*	Dynamic	1445.53 lbf**	3' 0****
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	883 lbf*	Dynamic	1414.56 lbf**	3' 0****
Wire#12	.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	708 lbf*	Dynamic	1034.07 lbf**	3' 1****

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	257'	252 °	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	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	854 lbf*	Dynamic	1439.53 lbf**	4' 5****
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	854 lbf*	Dynamic	1419.28 lbf**	4' 5****
Wire#11	.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	709 lbf*	Dynamic	1067.88 lbf**	4' 4****

WEP#5											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	None	57'	55 °	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#8	4 Al. Triplex Service	SCE	Utility Service	Service	31' 4"	0' 0"	1	16 lbf*	Dynamic	50.51 lbf**	4' 6****

WEP#4											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	None	44'	88 °	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#10	4 Al. Triplex Service	SCE	Utility Service	Service	31' 4"	0' 0"	1	11 lbf*	Dynamic	40.82 lbf**	3' 11****
Wire#22	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	4 lbf*	Dynamic	15.38 lbf**	4' 0****
Wire#23	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	4 lbf*	Dynamic	15.38 lbf**	4' 0****
Wire#19	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	4 lbf*	Dynamic	15.38 lbf**	4' 0****
Wire#21	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	4 lbf*	Dynamic	15.38 lbf**	4' 0****

WEP#6											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	None	47'	257 °	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#9	4 Al. Triplex Service	SCE	Utility Service	Service	31' 4"	0' 0"	1	11 lbf*	Dynamic	41.45 lbf**	4' 6****
Wire#24	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	4 lbf*	Dynamic	15.62 lbf**	4' 7****
Wire#18	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	4 lbf*	Dynamic	15.62 lbf**	4' 7****
Wire#20	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	4 lbf*	Dynamic	15.62 lbf**	4' 7****

## WEP#3

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Other Pole	None	90'	350 °	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#7	1/0 Al. Triplex	SCE	Secondary	Light Full	31' 4"	0' 0"	1	798 lbf*	Dynamic	1273.62 lbf**	0' 4****
Wire#13	.5" CAT V 1/4" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	709 lbf*	Dynamic	877.24 lbf**	0' 4****
Wire#14	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	9 lbf*	Dynamic	9.04 lbf**	7' 6****
Wire#15	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	9 lbf*	Dynamic	9.04 lbf**	7' 6****
Wire#16	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	9 lbf*	Dynamic	9.04 lbf**	7' 6****
Wire#17	.25" TELCO Service	Unknown	Communication Service	Service	20' 0"	0' 0"	1	9 lbf*	Dynamic	9.04 lbf**	7' 6****

ID	Size	Owner	Height	Midspan	Height @ WEP	In Service, 12 lb, Grade A	
						Pretension	Tension
SpanGuy#1	9/32" EHS	SCE	34' 6"	33' 6"	33' 0"	8.83 lbf†	-2.21 lbf**

\*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.

† Pretension values are calculated at 60°F (15.5°C) and without load factors.

## Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#1	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	37' 6"	37' 6"	174 °
Equip#2	25 kVA Transformer	SCE	Transformer	35' 0"	35' 0"	96 °

## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	37' 6"	Bisector	174 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	96 °	0' 4"	Wire#1
Insulator#2	16 kV Deadend	252 °	0' 4"	Wire#3
Insulator#3	16 kV Deadend	96 °	9' 8"	Wire#4
Insulator#4	16 kV Deadend	252 °	9' 8"	Wire#2

## Location 1472541E Location Forms

## SAP

- Field Inspection Date: 02/01/2022
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 59 - Valencia
- Region: ED-NW-NORTHCOA
- 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: