

Location Properties

Technician:	Map Number:
Address:	Pole Tags:
City:	State:
County:	Zip Code:
Cross Street 1:	Cross Street 2:
Remedy:	Summary Notes:
Comments:	

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	5.33 from stress at 1' 0"	No Data	No Data	No Data	No Data	No Data	100%	Y	Y



N/A



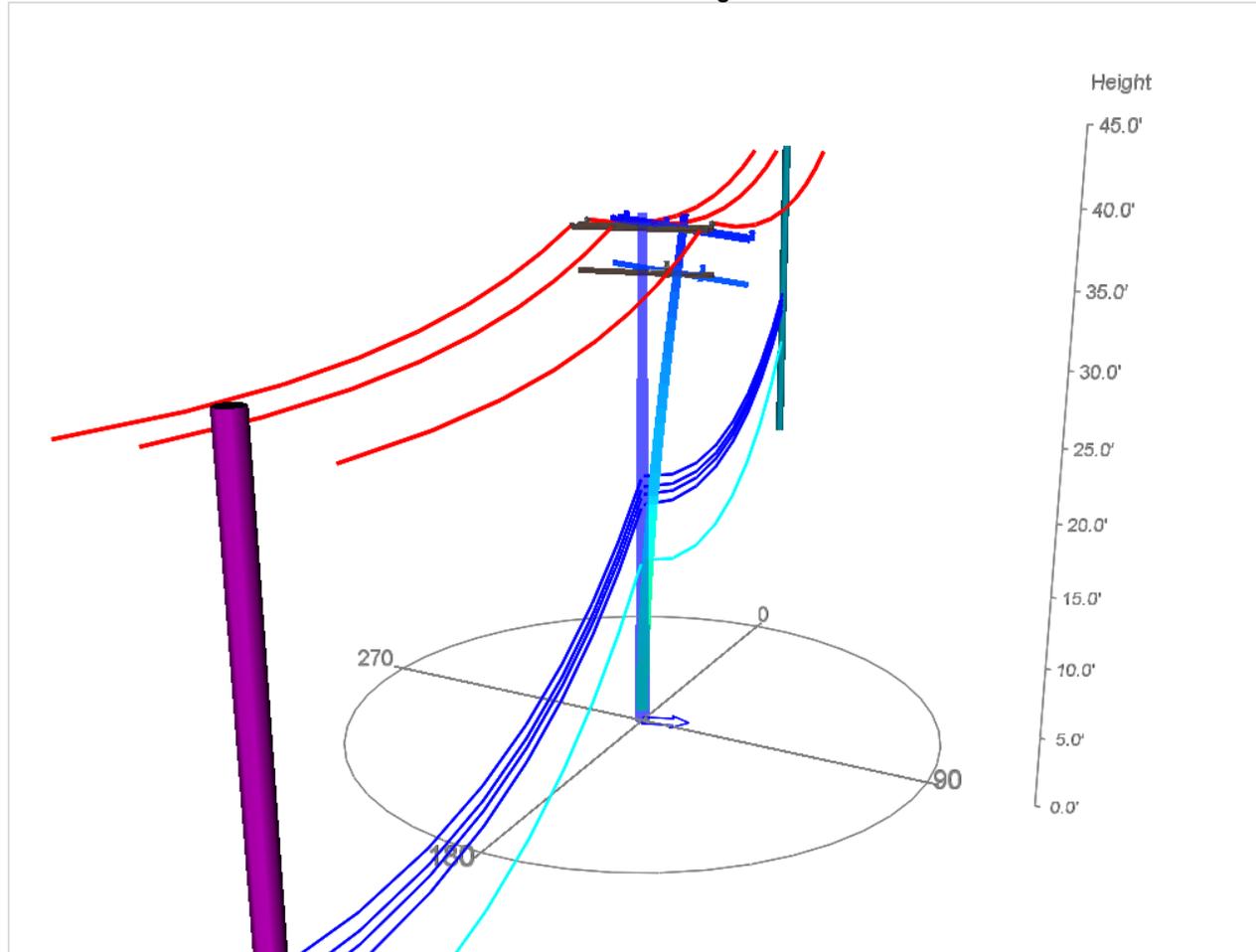
N/A



N/A



Theoretical: As Designed



Analysis Results

Component	In Service, 12 lb. Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	5.33 from stress at 1' 0"	1425 / 7600 lb/in ²	70 °	7600 lb/in ²

Wire End Points and Wires

WEP#2												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Next Pole	None	63'	164 °	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		
Wire#10	2 Copper Tree Wire	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	72 lbF	Dynamic	Tension	Sag	
Wire#11	2 Copper Tree Wire	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	72 lbF	Dynamic	253.63 lbF**	1' 4"***	
Wire#9	2 Copper Tree Wire	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	72 lbF	Dynamic	249.84 lbF**	1' 4"***	
Wire#12	.75" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	19' 4"	0' 0"	1	32 lbF	Dynamic	138.5 lbF**	2' 11"***	
Wire#13	.75" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	18' 6"	0' 0"	1	32 lbF	Dynamic	138.5 lbF**	2' 11"***	
Wire#14	2" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	17' 11"	0' 0"	1	177 lbF	Dynamic	457.95 lbF**	2' 11"***	
Wire#15	3.5" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	17' 1"	0' 0"	1	501 lbF	Dynamic	1054.83 lbF**	2' 11"***	
Wire#16	.25" TELCO Service	Unknown	Communication Service	Service	12' 10"	0' 0"	1	6 lbF	Dynamic	34.63 lbF**	3' 8"***	

WEP#1												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	98'	344 °	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		
Wire#1	2 Copper Tree Wire	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	109 lb*	Dynamic	244.72 lb**	3' 4****	
Wire#2	2 Copper Tree Wire	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	109 lb*	Dynamic	243.96 lb**	3' 4****	
Wire#3	2 Copper Tree Wire	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	109 lb*	Dynamic	243.71 lb**	3' 4****	
Wire#4	.75" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	19' 4"	0' 0"	1	56 lb*	Dynamic	138.46 lb**	7' 1****	
Wire#5	.75" CATV 1/4" Messenger	Unknown	Communication	Light Reduced Unguyed	18' 6"	0' 0"	1	56 lb*	Dynamic	138.46 lb**	7' 1****	
Wire#6	2" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	17' 11"	0' 0"	1	308 lb*	Dynamic	457.31 lb**	7' 1****	
Wire#7	3.5" TELCO 5/16" Messenger	Unknown	Communication	Light Reduced Unguyed	17' 1"	0' 0"	1	874 lb*	Dynamic	1054.63 lb**	7' 1****	
Wire#8	.25" TELCO Service	Unknown	Communication Service	Service	12' 10"	0' 0"	1	9 lb*	Dynamic	34.89 lb**	8' 10****	

*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#1	Fuse Arm with 3 Cutouts	SCE	Cutout Arrestor	34' 6"	34' 6"	80 °

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	37' 6"	Other	80 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6
CrossArm#2	10 Foot Cross Arm	34' 3"	Other	80 °	5' 0"	

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	344 °	0' 4"	Wire#1
Insulator#2	16 kV Deadend	164 °	0' 4"	Wire#9
Insulator#3	16 kV Deadend	344 °	6' 8"	Wire#2
Insulator#4	16 kV Deadend	164 °	6' 8"	Wire#10
Insulator#5	16 kV Deadend	344 °	9' 8"	Wire#3
Insulator#6	16 kV Deadend	164 °	9' 8"	Wire#11

Location 4865646E Location Forms

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:

SAP

- Field Inspection Date: 10/19/2016
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: --
- Region: --
- Above 3000 Ft Elevation: --
- As Designed Work Type: Existing
- Access Notes: