

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

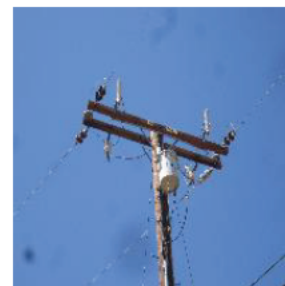
Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Is	4573	5 06 from stress at 0' 1"	2 41 (Guy#4)	No Data	No Data	No Data	15 61 (Brace#1)	62 93%	Y	N
As Designed	4573	4 29 from stress at 0' 1"	2 43 (Guy#4)	No Data	No Data	No Data	14 62 (Brace#1)	83 0 %	Y	N



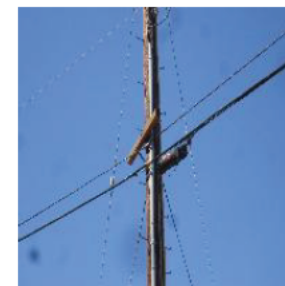
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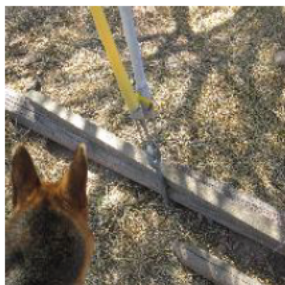
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N/A



N/A



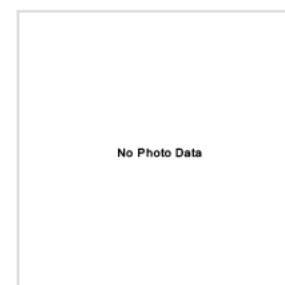
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N/A

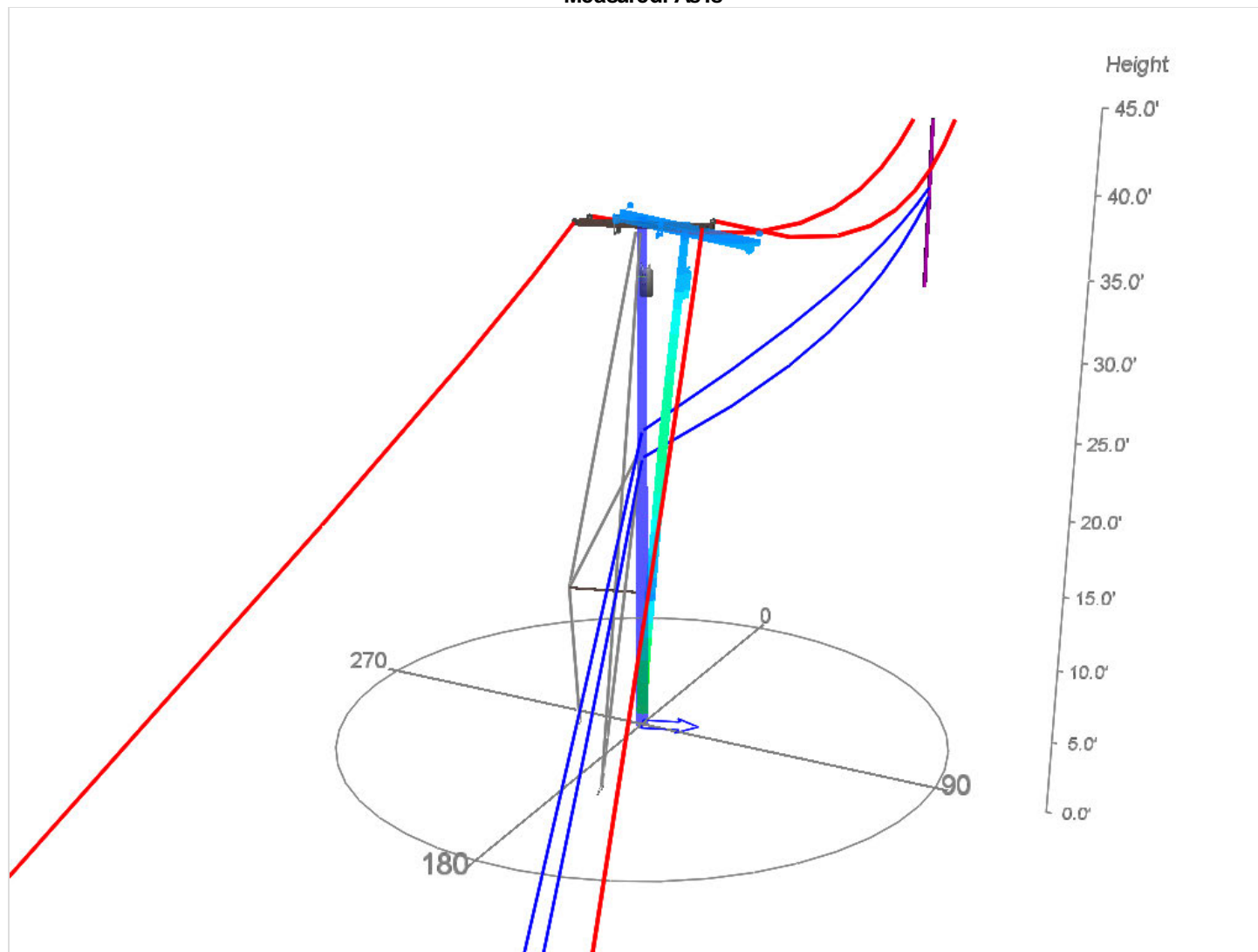


N/A



No Photo Data

Measured: As Is



Analysis Results

Loading

Component	In Service, Heavy, 6 lb, Grade A (Governing Case)			In Service, 12 lb, Grade A			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	5.06 from stress at 0' 1"	1581 / 8000 lbf/in	0	6.41 from stress at 0' 1"	124 / 8000 lbf/in	0	8000 lbf/in
Guy#1	∞	0 / 11200 lbf	0	∞	0 / 11200 lbf	0	11200 lbf
Guy#2	∞	0 / 8950 lbf	0	∞	0 / 8950 lbf	0	8950 lbf
Guy#3	2.54	3523 / 8950 lbf	0	3.46	2588 / 8950 lbf	0	8950 lbf
Guy#4	2.41	4641 / 11200 lbf	0	3.22	3483 / 11200 lbf	0	11200 lbf
Brace#1	15.81	2.5 / 43600 lbf	0	21.4	2031 / 43600 lbf	0	43600 lbf

Wire End Points and Wires

WEP#2															
Type	Environment			Distance		Direction		GPS Point		Inclination		Measured Between		Measured to Ground	
Next Pole	None			245'		348		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 A				In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag		
Wire#5	4 ACSR	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	45 lbf*	Dynamic	613.27 lbf**	9' 11"***	202.25 lbf**	9' 4"***		
Wire#6	4 ACSR	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	45 lbf*	Dynamic	613.27 lbf**	9' 11"***	202.25 lbf**	9' 4"***		
Wire#	5" CATV 1/4" Messenger	Verizon California	Communication	Heavy Full	22' 6"	0' 0"	1	660 lbf*	Dynamic	1 05 4 lbf**	5' 1"***	10 2 lbf**	3' 11"***		
Wire#8	1 25" TELCO 5/16" Messenger	Verizon California	Communication	Heavy Full	20' 6"	0' 0"	1	1029 lbf*	Dynamic	2489 93 lbf**	6' 9"***	1 69 85 lbf**	6' 4"***		

WEP#1

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground						
Previous Pole	None	1 3'	156	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 A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#1	1/0 ACSR	SCE	Primary	Heavy y Full	37' 2"	0' 0"	1	312 lbf*	Dynamic	801.76 lbf**	4' 7"***	362.98 lbf**	4' 4"***
Wire#2	1/0 ACSR	SCE	Primary	Heavy y Full	37' 2"	0' 0"	1	312 lbf*	Dynamic	829.25 lbf**	4' 6"***	369.02 lbf**	4' 3"***
Wire#3	5" CATV 1/4" Messenger	Verizon California	Communication	Heavy Full	22' 6"	0' 0"	1	665 lbf*	Dynamic	1363 81 lbf**	3' 2"***	823 49 lbf**	2' 1"***
Wire#4	1 25" TELCO 5/16" Messenger	Verizon California	Communication	Heavy Full	20' 6"	0' 0"	1	1263 lbf*	Dynamic	2203 28 lbf**	3' 10"***	1559 25 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

Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#1	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	37' 0"	37' 0"	266 °
Equip#2	25 kVA Transformer	SCE	Transformer	33' 6"	33' 6"	348 °

Anchors

Anchor#2												
Size		Owner		Lead		Direction		Height		Supporting		
1" Triple Eye Anchor Rod and Plate		SCE		4' 10"		254 °		0' 0"		Other		
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
									Pretension	Tension	Pretension	Tension
Guy#3	9/32" EHS	SCE	36' 6"	11 °	Brace#1	2" Schedule 40	5' 0"	254 °	364.07 lb*	1.51 lb**	364.07 lb*	3.01 lb**
Guy#4	5/16" EHS	Unknown	20' 6"	26	Brace#1	2" Schedule 40	5' 0"	254	8 9 1 lb*	0 82 lb**	8 9 1 lb*	1 63 lb**

* Pretension values are calculated at 60 F (15.5 C) and without load factors
 ** Tension value is calculated without load factors or wind

Anchor#1												
Size		Owner		Lead		Direction		Height		Supporting		
3/4" Double Eye Anchor Rod and Plate		SCE		10' 6"		168 °		0' 0"		Other		
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
									Pretension	Tension	Pretension	Tension
Guy#2	9/32" EHS	SCE	36' 6"	16 °	N/A	N/A	N/A	N/A	0 lb*	2.57 lb**	0 lb*	5.14 lb**
Guy#1	5/16" EHS	Unknown	20' 6"	2	N/A	N/A	N/A	N/A	0 lb*	1 61 lb**	0 lb*	3 22 lb**

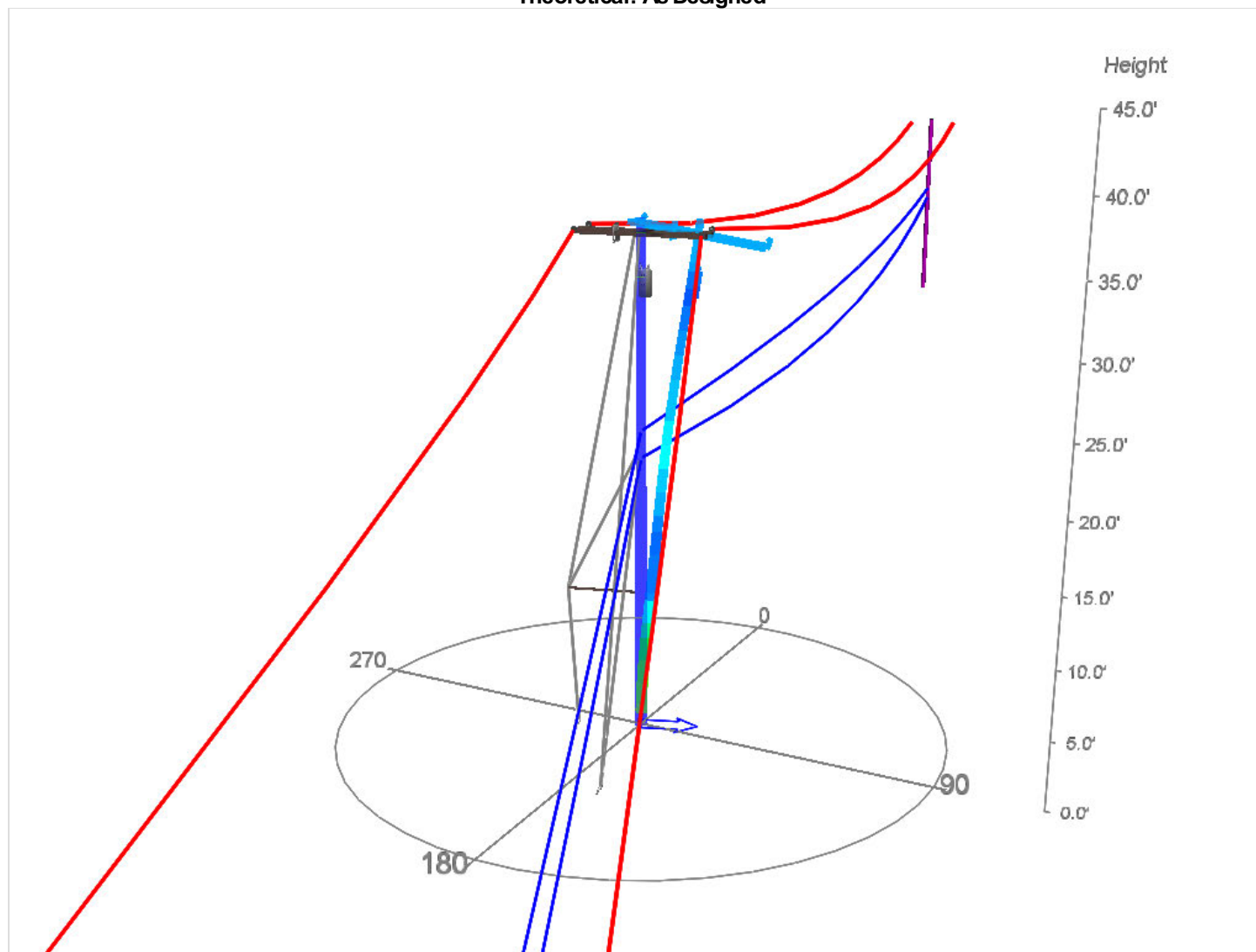
* Pretension values are calculated at 60 F (15.5 C) and without load factors
 ** Tension value is calculated without load factors or wind

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	3 ' 0"	Other	266	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	156	0' 4"	Wire#1
Insulator#2	16 kV Deadend	348	0' 4"	Wire#5
Insulator#3	16 kV Deadend	156	9' 8"	Wire#2
Insulator#4	16 kV Deadend	348	9' 8"	Wire#6

Theoretical: As Designed

Analysis Results

Loading

Component	In Service, Heavy, 6 lb, Grade A (Governing Case)			In Service, 12 lb, Grade A			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.29 from stress at 0' 1"	1863 / 8000 lbf/in	0	5.11 from stress at 0' 1"	1565 / 8000 lbf/in	0	8000 lbf/in
Guy#1	13.3	816 / 11200 lbf	280	13.23	84 / 11200 lbf	290	11200 lbf
Guy#2	14.69	609 / 8950 lbf	280	9.33	959 / 8950 lbf	300	8950 lbf
Guy#3	3.33	4630 / 15400 lbf	0	4.05	3805 / 15400 lbf	0	15400 lbf
Guy#4	2.43	4605 / 11200 lbf	0	2.9	3861 / 11200 lbf	0	11200 lbf
Brace#1	14.62	2983 / 43600 lbf	0	1.64	24.1 / 43600 lbf	0	43600 lbf

Wire End Points and Wires

WEP#2

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground
Next Pole	None	245'	348	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 A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	36' 8"	0' 0"	0.28	329.84 lbf*	Dynamic	1357.02 lbf**	7' 5****	785.19 lbf**	7' 4****
Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	36' 8"	0' 0"	0.28	329.84 lbf*	Dynamic	1340.96 lbf**	7' 6****	779.57 lbf**	7' 5****
Wire#	5" CATV 1/4" Messenger	Verizon California	Communication	Heavy Full	22' 6"	0' 0"	1	660 lbf*	Dynamic	161.36 lbf**	5' 5****	983.12 lbf**	4' 3****
Wire#8	1.25" TELCO 5/16" Messenger	Verizon California	Communication	Heavy Full	20' 6"	0' 0"	1	1029 lbf*	Dynamic	2420 lbf**	10****	108.25 lbf**	6' ****

WEP#1

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground						
Previous Pole	None	1 3'	156	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 A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	36' 8"	0' 0"	0.31	336.66 lbf*	Dynamic	1387.7 lbf**	3' 8****	830.02 lbf**	3' 6****
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	36' 8"	0' 0"	0.31	336.66 lbf*	Dynamic	1426.51 lbf**	3' 7****	845.3 lbf**	3' 5****
Wire#3	5" CATV 1/4" Messenger	Verizon California	Communication	Heavy Full	22' 6"	0' 0"	1	665 lbf*	Dynamic	1499.69 lbf**	2' 11****	958.19 lbf**	2' 3****
Wire#4	1 25" TELCO 5/16" Messenger	Verizon California	Communication	Heavy Full	20' 6"	0' 0"	1	1263 lbf*	Dynamic	2330.2 lbf**	3' 8****	16.22 lbf**	3' 5****

*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 2 Cutouts	SCE	Cutout Arrestor	36' 6"	36' 6"	266 °
Equip#2	25 kVA Transformer	SCE	Transformer	33' 6"	33' 6"	348 °

Anchors

Anchor#2

Size	Owner	Lead	Direction	Height	Supporting
1" Triple Eye Anchor Rod and Plate	SCE	4' 10"	254 °	0' 0"	Other

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
									Pretension	Tension	Pretension	Tension
Guy#3	3/8" EHS	SCE	36' 6"	11 °	Brace#1	2" Schedule 40	5' 0"	254 °	607.17 lb*	1.93 lb**	607.17 lb*	3.85 lb**
Guy#4	5/16" EHS	Unknown	20' 6"	26	Brace#1	2" Schedule 40	5' 0"	254	959.53 lb*	0.82 lb**	959.53 lb*	1.63 lb**

* Pretension values are calculated at 60 F (15.5 C) and without load factors

** Tension value is calculated without load factors or wind

Anchor#1

Size	Owner	Lead	Direction	Height	Supporting
3/4" Double Eye Anchor Rod and Plate	SCE	10' 6"	168 °	0' 0"	Other

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
									Pretension	Tension	Pretension	Tension
Guy#2	9/32" EHS	SCE	36' 6"	16 °	N/A	N/A	N/A	N/A	0 lbf*	0.46 lbf**	0 lbf*	2.63 lbf**
Guy#1	5/16" EHS	Unknown	20' 6"	2	N/A	N/A	N/A	N/A	0 lbf*	0 31 lbf**	0 lbf*	1 19 lbf**

* Pretension values are calculated at 60 F (15.5 C) and without load factors
** Tension value is calculated without load factors or wind

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	36' 6"	Other	266	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Deadend	156	0' 4"	Wire#1
Insulator#2	16 kV Deadend	348	0' 4"	Wire#5
Insulator#3	16 kV Deadend	156	9' 8"	Wire#2
Insulator#4	16 kV Deadend	348	9' 8"	Wire#6

Location 4144552E Location Forms

SAP

- Field Inspection Date: 08/20/2020
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 36 Antelope Valley
- Region: ED NW NORTHCOA
- Above 3000 Ft Elevation: Yes
- 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:
- File:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

- QC Comments: