

### Structure Detail Table

Site Location/ Structure Number <sup>1</sup>	Proposed Action(s)	Approximate Above Ground Structure Height(s) in Feet <sup>2</sup>	Details
<b>Proposed New 230 kV Structures</b>			
P1	Install	155	Single-circuit dead end tubular steel pole inside Substation Fence, Segment A, would support relocated TL 23041 into Sycamore Canyon Substation
P2	Install	165	Double-circuit dead end tubular steel pole Segment A, would support relocated TL 23041 into Sycamore Canyon Substation
P3	Install	160.5	Double-circuit dead end/cable pole, Segment A, would allow the transition of TL 13820/25 from overhead to underground and support new 230 kV TL
P4	Install	120	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R4
P5	Install	100	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R5
P6	Install	100	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R6
P7	Install	100	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R7
P8	Install	100	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R8
P9	Install	110	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R9
P10	Install	100	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R10

<sup>1</sup> Refer to Appendix 3-B, Detailed Route Map, for location of all referenced Proposed Project features. Structure numbers with the prefix "P" denote new structures to be installed; structures numbers with the prefix "R" denote existing structures to be removed; and structure numbers with the prefix "E" denote existing structures to be utilized in place.

<sup>2</sup> Exact pole heights and locations may vary depending upon field conditions.

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P11	Install	120	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R11
P12	Install	110	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R12
P13	Install	125	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R13
P14	Install	125	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R14
P15	Install	110	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R15
P16	Install	120	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R16
P17	Install	135	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R17
P18	Install	130	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R18
P19	Install	130	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R19
P20	Install	120	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R21
P21	Install	125	Double-circuit dead end steel tubular pole, Segment A, replaces existing Structure R22

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P22	Install	125	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R24
P23	Install	110	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R25
P24	Install	110	Double-circuit dead end steel tubular pole, Segment A, replaces existing Structure R26
P25	Install	110	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R27
P26	Install	105	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R28
P27	Install	125	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R29
P28	Install	100	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R30
P29	Install	120	Double-circuit tangent steel tubular pole, Segment A
P32	Install	160	Double-circuit dead end steel tubular pole, Segment A
P33	Install	130	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R35
P34	Install	125	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R37

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P35	Install	155	Double-circuit dead end steel tubular pole, Segment A, replaces existing Structure R38
P36	Install	170	Double-circuit dead end steel tubular pole, Segment A, replaces existing Structure R41
P37	Install	130	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R42
P38	Install	130	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R43 & R44
P39	Install	115	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R45
P40	Install	100	Double-circuit tangent steel tubular pole, Segment A, replaces existing Structure R46
P41	Install	160.5	Eastern cable pole, Double-circuit dead end/strain structure steel tubular pole, Segment B, replaces existing Structure No. R47, north of Carmel Valley Road
P42	Install	165	Western cable pole, Double-circuit steel tubular pole, Segment B, replaces existing Structure No. R48, south of Carmel Valley Road
P43	Install	140	Double-circuit dead end steel tubular pole, Segment C, replaces existing Structure R49

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<b>Site Location/ Structure Number<sup>1</sup></b>	<b>Proposed Action(s)</b>	<b>Approximate Above Ground Structure Height(s) in Feet<sup>2</sup></b>	<b>Details</b>
<b>Proposed New 138 kV Structures</b>			
P30	Install	75	Single-circuit dead end steel tubular pole, Segment A, provides TL 13820/25 access to Chicarita Substation, replaces existing Structure R31
P31	Install	75	Single-circuit dead end steel tubular pole, Segment A, provides TL 13820/25 access to Chicarita Substation, replaces existing Structure R32
<b>Proposed New 69 kV Structures</b>			
P44	Install	100	Double-circuit dead end steel tubular pole, Segment D, replaces existing Structure Nos. R50 & R51
P45	Install	85	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R53
P46	Install	80	Double-circuit dead end steel tubular pole, Segment D, replaces existing Structure No. R54
P47	Install	80	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R55
P48	Install	90	Double-circuit dead end steel tubular pole, Segment D, replaces existing Structure No. R56
P49	Install	95	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R57
P50	Install	95	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R58

### Structure Detail Table

Site Location/ Structure Number <sup>1</sup>	Proposed Action(s)	Approximate Above Ground Structure Height(s) in Feet <sup>2</sup>	Details
P51	Install	105	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R59
P52	Install	85	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R60
P53	Install	110	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R61
P54	Install	105	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R63
P55	Install	100	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R64
P56	Install	100	Double-circuit dead end steel tubular pole, Segment D, replaces existing Structure No. R65
P57	Install	100	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R66
P58	Install	120	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R67
P59	Install	105	Double-circuit tangent steel tubular pole, Segment D, replaces existing Structure No. R69
P60	Install	75	Double-circuit dead end steel tubular pole, Segment D
P61	Install	70	Single-circuit cable pole, Segment D, replaces existing Structure No. R70

**Structure Detail Table**

<b>Site Location/ Structure Number<sup>1</sup></b>	<b>Proposed Action(s)</b>	<b>Approximate Above Ground Structure Height(s) in Feet<sup>2</sup></b>	<b>Details</b>
P62	Install	70	Single-circuit cable pole, Segment D, replaces existing Structure No. R71
<b>Existing 230 kV Structures</b>			
E1	Utilize in place	140	Double-circuit tubular steel pole, Segment A, would support new TL 230XX into Sycamore Canyon Substation
E2	Utilize in place	140	Double-circuit tubular steel pole, Segment A, would support new TL 230XX into Sycamore Canyon Substation
E3	Utilize in place	140	Double-circuit tubular steel pole, Segment A, would support new TLs 230XX and existing 23051
R48	Remove	127	Double-circuit steel lattice tower, Segment B, replaced by western cable pole (Structure No. 42A)
E4	Utilize in place	132	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E5	Utilize in place	127	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E6	Utilize in place	137	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E7	Utilize in place	141	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E8	Utilize in place	132	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX

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Site Location/ Structure Number <sup>1</sup>	Proposed Action(s)	Approximate Above Ground Structure Height(s) in Feet <sup>2</sup>	Details
E9	Utilize in place	107	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E10	Utilize in place	107	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E11	Utilize in place	97	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E12	Utilize in place	112	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
E13	Utilize in place	142	Double-circuit steel lattice tower, Segment C, would support TLs 23004 and 230XX
R49	Remove	137	Double-circuit steel lattice tower, Segment D, replaced by Structure No. 43
E14	Utilize in place	98	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E15	Utilize in place	102	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E16	Utilize in place	143	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E17	Utilize in place	107	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E18	Utilize in place	122	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804



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E19	Utilize in place	122	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E20	Utilize in place	124	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E21	Utilize in place	112	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E22	Utilize in place	111	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E23	Utilize in place	115	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E24	Utilize in place	143	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E25	Utilize in place	127	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E26	Utilize in place	122	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E27	Utilize in place	132	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E28	Utilize in place	111	Double-circuit steel lattice tower, Segment D, would support TLs 230XX and 13804
E29	Utilize in place	131	Double-circuit steel tubular pole, Segment D, would support TLs 230XX and 13804 in to Peñasquitos Substation

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Site Location/ Structure Number <sup>1</sup>	Proposed Action(s)	Approximate Above Ground Structure Height(s) in Feet <sup>2</sup>	Details
<b>Existing 138 kV Structures</b>			
R1	Remove	95	Double-circuit steel cable pole structure, Segment A.
R2	Remove	70	Single-circuit wood monopole structure, Segment A.
R3	Remove	75	Single-circuit wood monopole structure, Segment A. To be replaced by Structure No. P3
R4	Remove	75	Wood H-Frame, Segment A. To be replaced by Structure No. P4
R5	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P5
R6	Remove	72	Wood H-Frame, Segment A. To be replaced by Structure No. P6
R7	Remove	60	Wood H-Frame, Segment A. To be replaced by Structure No. P7
R8	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P8
R9	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P9
R10	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P10
R11	Remove	65	Wood H-Frame, Segment A. To be replaced by Structure No. P11
R12	Remove	57	Wood H-Frame, Segment A. To be replaced by Structure No. P12
R13	Remove	65	Wood H-Frame, Segment A. To be replaced by Structure No. P13
R14	Remove	70	Wood H-Frame, Segment A. To be replaced by Structure No. P14

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<b>Site Location/ Structure Number<sup>1</sup></b>	<b>Proposed Action(s)</b>	<b>Approximate Above Ground Structure Height(s) in Feet<sup>2</sup></b>	<b>Details</b>
R15	Remove	58	Wood H-Frame, Segment A. To be replaced by Structure No. P15
R16	Remove	80	Wood H-Frame, Segment A. To be replaced by Structure No. P16
R17	Remove	82	Wood H-Frame, Segment A. To be replaced by Structure No. P17
R18	Remove	60	Wood H-Frame, Segment A. To be replaced by Structure No. P18
R19	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P19
R20	Remove	53	Wood H-Frame, Segment A.
R21	Remove	47	Wood H-Frame, Segment A. To be replaced by Structure No. P20
R22	Remove	60	Wood H-Frame, Segment A. To be replaced by Structure No. P21
R23	Remove	50	Wood H-Frame, Segment A.
R24	Remove	50	Wood H-Frame, Segment A. To be replaced by Structure No. P22
R25	Remove	105	Wood H-Frame, Segment A. To be replaced by Structure No. P23
R26	Remove	70	Wood H-Frame, Segment A. To be replaced by Structure No. P24
R27	Remove	68	Wood H-Frame, Segment A. To be replaced by Structure No. P25
R28	Remove	80	Wood H-Frame, Segment A. To be replaced by Structure No. P26
R29	Remove	60	Wood H-Frame, Segment A. To be replaced by Structure No. P27
R30	Remove	150	Wood H-Frame, Segment A. To be replaced by Structure No. P28

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Site Location/ Structure Number <sup>1</sup>	Proposed Action(s)	Approximate Above Ground Structure Height(s) in Feet <sup>2</sup>	Details
R31	Remove	90	Single-circuit tubular steel pole, Segment A. To be replaced by Structure No. P30
R32	Remove	90	Single-circuit tubular steel pole, Segment A. To be replaced by Structure No. P31
R33	Remove	64	Wood H-Frame, Segment A.
R34	Remove	58	Wood H-Frame, Segment A.
R35	Remove	58	Wood H-Frame, Segment A. To be replaced by Structure No. P33
R36	Remove	50	Wood H-Frame, Segment A.
R37	Remove	63	Wood H-Frame, Segment A. To be replaced by Structure No. P34
R38	Remove	70	Wood H-Frame, Segment A. To be replaced by Structure No. P35
R39	Remove	70	Wood H-Frame, Segment A.
R40	Remove	70	Wood H-Frame, Segment A.
R41	Remove	70	Wood H-Frame, Segment A. To be replaced by Structure No. P36
R42	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P37
R43	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P38
R44	Remove	62	Wood H-Frame, Segment A. To be replaced by Structure No. P38
R45	Remove	55	Wood H-Frame, Segment A. To be replaced by Structure No. P39
R46	Remove	77	Wood H-Frame, Segment A. To be replaced by Structure No. P40
R47	Remove	83	Wood H-Frame, Segment A. To be replaced by Structure No. P41A

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<b>Existing 69 kV Structures</b>			
R50	Remove	60	Single-circuit wood monopole structure, Segment D. To be replaced by Structure No. P44
R51	Remove	61	Single-circuit wood monopole structure, Segment D. To be replaced by Structure No. P44
R52	Remove	55	Single-circuit wood monopole structure, Segment D.
R53	Remove	70	Single-circuit wood monopole structure, Segment D. To be replaced by Structure No. P45
R54	Remove	61	Double-circuit wood monopole structure, Segment D. To be replaced by Structure No. P46
R55	Remove	70	Wood H-Frame, Segment D. To be replaced by Structure No. P47
R56	Remove	74.5	Wood H-Frame, Segment D. To be replaced by Structure No. P48
R57	Remove	70	Wood H-Frame, Segment D. To be replaced by Structure No. P49
R58	Remove	74.5	Wood H-Frame, Segment D. To be replaced by Structure No. P50
R59	Remove	79	Wood H-Frame, Segment D. To be replaced by Structure No. P51
R60	Remove	70	Wood H-Frame, Segment D. To be replaced by Structure No. P52
R61	Remove	61	Wood H-Frame, Segment D. To be replaced by Structure No. P53
R62	Remove	65.5	Wood H-Frame, Segment D.

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Site Location/ Structure Number <sup>1</sup>	Proposed Action(s)	Approximate Above Ground Structure Height(s) in Feet <sup>2</sup>	Details
R63	Remove	74.5	Wood H-Frame, Segment D. To be replaced by Structure No. P54
R64	Remove	70	Wood H-Frame, Segment D. To be replaced by Structure No. P55
R65	Remove	70	Wood H-Frame, Segment D. To be replaced by Structure No. P56
R66	Remove	70	Wood H-Frame, Segment D. To be replaced by Structure No. P57
R67	Remove	70	Wood H-Frame, Segment D. To be replaced by Structure No. P58
R68	Remove	70	Wood H-Frame, Segment D.
R69	Remove	65.5	Wood H-Frame, Segment D. To be replaced by Structure No. P59
R70	Remove	65.5	Single-circuit wood cable pole, Segment D, replaced by Structure No. P61
R71	Remove	60	Single-circuit wood cable pole, Segment D, replaced by Structure No. P62
R72	Remove	55	Single-circuit wood monopole, Segment D

**\*Table contents based upon preliminary engineering and are subject to change.**