



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

**Jeffrey B. Woodley**  
 REGISTERED CIVIL ENGINEER  
 No. C41260  
 Exp. 3-31-07  
 CIVIL  
 STATE OF CALIFORNIA

June 30, 2006  
 PLANS APPROVAL DATE  
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**ELEVATION**  
 TYPE 16-3-100, 18-3-100,  
 23-3-100, 27-3-100

**ELEVATION**  
 TYPE 17-3-100, 24A-3-100,  
 19-3-100, 26-3-100,  
 19A-3-100, 26A-3-100, 24-3-100

E Projected Length	F Min Spacing	G Mounting Height	H	Min OD At Pole	Thickness	I Bolt Circle	HS Cap Screws	J Plate Size	K Arm Thickness	L Pole Thickness	θ
15'-0"	8'-0"	21'-8"±	17'-6"	6 7/8"	0.1793"	12"		1'-0"	1/4"	1 1/2"	23°
20'-0"		21'-8"±		7"							
25'-0"	12'-0"	22'-8"±		7 1/8"							
30'-0"		22'-8"±		8"							
35'-0"	14'-0"	23'-0"±	16'-0"	8 3/4"	0.2391"		1 1/4"-7NC-3"	1'-1"	1/2"	1 3/4"	21°
40'-0"		23'-0"±		9 1/8"							
45'-0"	15'-0"	23'-8"±		10 1/8"							15°

M Projected Length	N Rise at Pole	Min OD at Pole	Thickness	P Mounting Height Pole
6'-0"	2'-0"±	3/4"		30'-0" Pole
8'-0"	2'-6"±	3/2"		35'-0" Pole
10'-0"	3'-3"±	3 7/8"	0.1196"	31'-6"±
12'-0"	4'-3"±	4 1/4"		36'-6"±
15'-0"	4'-9"±	4 1/4"		32'-0"±
				37'-0"±
				32'-9"±
				37'-9"±
				33'-9"±
				38'-9"±
				34'-3"±
				39'-3"±

Pole Type	Load Case	Wind Velocity mph	POLE DATA			BASE PLATE DATA				CIDH PILE FOUNDATION								
			A Height	Min OD Base	Min OD Top	Thickness	Alternative Section B Length	Bottom	Top	C	D1 Bolt Circle	Thickness	Anchor Bolts Size	Luminaire Arm	Signal Arm	Diameter	Depth	Reinforced
16-3-100			18'-6"	8 1/4"	8 1/4"	0.1793"	None							None	15'-0"			
17-3-100			30'-0"	10 3/4"	6 5/8"		None	10'-0"	8"	7 5/8"				6'-15" [12'-0"]	20'-0"			
18-3-100			17'-0"		8 7/8"		None							None	25'-0"			
19-3-100			30'-0"		7 7/8"		None	10'-0"	9/4"	7 7/8"				6'-15" [12'-0"]	30'-0"			
19A-3-100			35'-0"		7 3/8"		None	15'-0"		7 3/8"				6'-15" [15'-0"]				
23-3-100	3	100	17'-0"	1'-0"	9 5/8"	0.2391"	None				1'-6"	1'-5 1/2"	1 1/2"	None	35'-0"	3'-0"	9'-0"	Yes
24-3-100			30'-0"		7 7/8"		None	10'-0"		7 7/8"				6'-15" [12'-0"]				
24A-3-100			35'-0"		7 3/8"		None	15'-0"	9/4"	7 3/8"				6'-15" [15'-0"]				
26-3-100			30'-0"		8"		None	10'-0"		8"				6'-15" [12'-0"]				
26A-3-100			35'-0"	1'-1/8"	7 5/8"	0.3125"	None	15'-0"	9 3/8"	7 5/8"				6'-15" [15'-0"]	40'-0"			
27-3-100			17'-0"		9 3/4"		None							None	45'-0"			

□ Indicates arm length to be used unless otherwise noted on plans.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(SIGNAL AND LIGHTING STANDARD**  
**CASE 3 ARM LOADING**  
**WIND VELOCITY=100 MPH**  
**ARM LENGTHS 15' TO 45')**  
 NO SCALE  
 RSP ES-7E DATED JUNE 30, 2006 SUPERSEDES STANDARD PLAN DATED MAY 1, 2006 -  
 PAGE 441 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP ES-7E**