Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

October 30, 2015
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jeffrey B. Woody No. C41260 Exp. 3-31-17 CIVIL STATE OF CALIFORNIA

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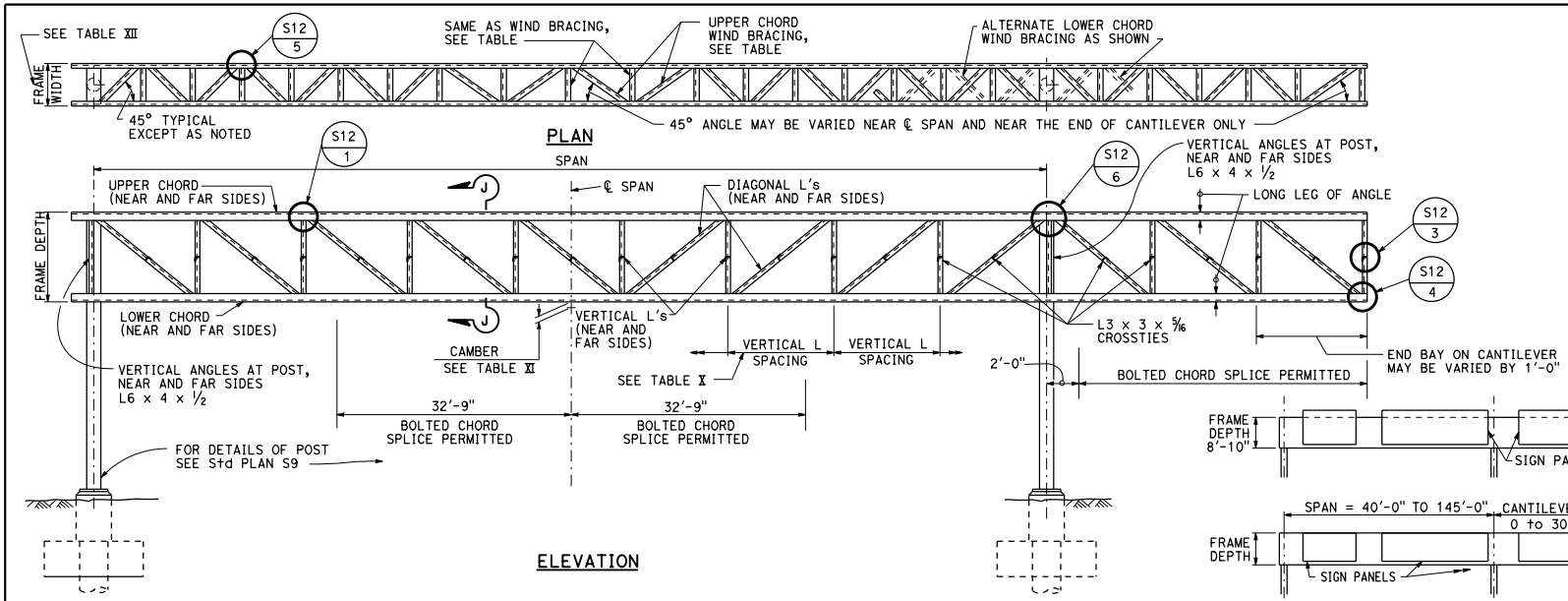

Right cantilever shown.
Cantilever may be left or right.

RANGE OF STRUCTURE SIZES

SPAN	70" PANEL DEPTH					80" PANEL DEPTH					90" PANEL DEPTH				
	FRAME WIDTH	CHORD L's	VERTICAL L's	DIAGONAL L's	WIND BRACING L's	FRAME WIDTH	CHORD L's	VERTICAL L's	DIAGONAL L's	WIND BRACING L's	FRAME WIDTH	CHORD L's	VERTICAL L's	DIAGONAL L's	WIND BRACING L's
40'-0"-50'-0"	3'-0"	5 x 3½ x ⅜	3½ x 3½ x 5/16	3½ x 3½ x 5/16	2½ x 2½ x ¼	3'-0"	5 x 3½ x ⅜	3½ x 3½ x 5/16	3½ x 3½ x 5/16	2½ x 2½ x ¼	3'-0"	5 x 3½ x ⅜	3½ x 3½ x 5/16	3½ x 3½ x 5/16	2½ x 2½ x ¼
51'-0"-60'-0"		5 x 3½ x ⅜					5 x 3½ x ⅜					5 x 3½ x ⅜			
61'-0"-70'-0"		5 x 3½ x ⅜					5 x 3½ x ⅜					5 x 3½ x ⅜			
71'-0"-80'-0"		6 x 4 x ½					6 x 4 x ½					6 x 4 x ½			
81'-0"-90'-0"		6 x 4 x ½					6 x 4 x ½					6 x 4 x ½			
91'-0"-100'-0"		6 x 4 x ½					6 x 4 x ½					6 x 4 x ½			
101'-0"-110'-0"		8 x 4 x ¾					8 x 4 x ¾					8 x 4 x ¾			3 x 3 x ⅜
111'-0"-120'-0"															
121'-0"-130'-0"											3'-6"				
131'-0"-145'-0"													3½ x 3½ x ⅜	3½ x 3½ x ⅜	

TABLE X

PANEL DEPTH	FRAME DEPTH	Max VERTICAL L SPACING
70"	6'-4"	6'-0"
80"	7'-2"	6'-0"
90"	8'-0"	7'-6"
100"	8'-10"	
110"	8'-10"	
120"	8'-10"	

TABLE XI

CAMBER FOR FABRICATION AT ℄ SPAN	
SPAN	CAMBER
40'-0" TO 50'-0"	1 1/16"
51'-0" TO 100'-0"	2⅛"
101'-0" TO 145'-0"	3¼"

Camber to approximate parabola. Camber of cantilever arm = ½" for arms greater than 10'-0"

SPAN	100" PANEL DEPTH					110" AND 120" PANEL DEPTH				
	FRAME WIDTH	CHORD L's	VERTICAL L's	DIAGONAL L's	WIND BRACING L's	FRAME WIDTH	CHORD L's	VERTICAL L's	DIAGONAL L's	WIND BRACING L's
40'-0"-50'-0"	3'-0"	5 x 3½ x ⅜	3½ x 3½ x 5/16	3½ x 3½ x 5/16	2½ x 2½ x ¼	3'-0"	5 x 3½ x ⅜	3½ x 3½ x 5/16	3½ x 3½ x 5/16	2½ x 2½ x ¼
51'-0"-60'-0"		5 x 3½ x ⅜					5 x 3½ x ⅜			2½ x 2½ x ¼
61'-0"-70'-0"		5 x 3½ x ⅜					5 x 3½ x ⅜			2½ x 2½ x ¼
71'-0"-80'-0"		6 x 4 x ½					6 x 4 x ½			3 x 3 x ⅜
81'-0"-90'-0"		6 x 4 x ½					6 x 4 x ½			
91'-0"-100'-0"		6 x 4 x ½				3'-6"	6 x 4 x ½			
101'-0"-110'-0"	3'-6"	8 x 4 x ¾			3 x 3 x ⅜		8 x 4 x ¾			
111'-0"-120'-0"							8 x 4 x ¾			
121'-0"-130'-0"							8 x 4 x ¾			
131'-0"-145'-0"							8 x 6 x ¾			

TABLE XII

STANDARD PLAN SHEET No.
DETAIL No.

NOTES:

1. Frame widths shown are nominal. These widths may be varied by ¼" to standardize fabrication methods.
2. Walkway brackets not shown. Locate first interior bracket 2'-8" Max from ℄ of post.
3. For Section J-J, See Std Plan S12.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS TWO POST TYPE STRUCTURAL FRAME MEMBERS

NO SCALE

S11

2015 STANDARD PLAN S11

9-22-15