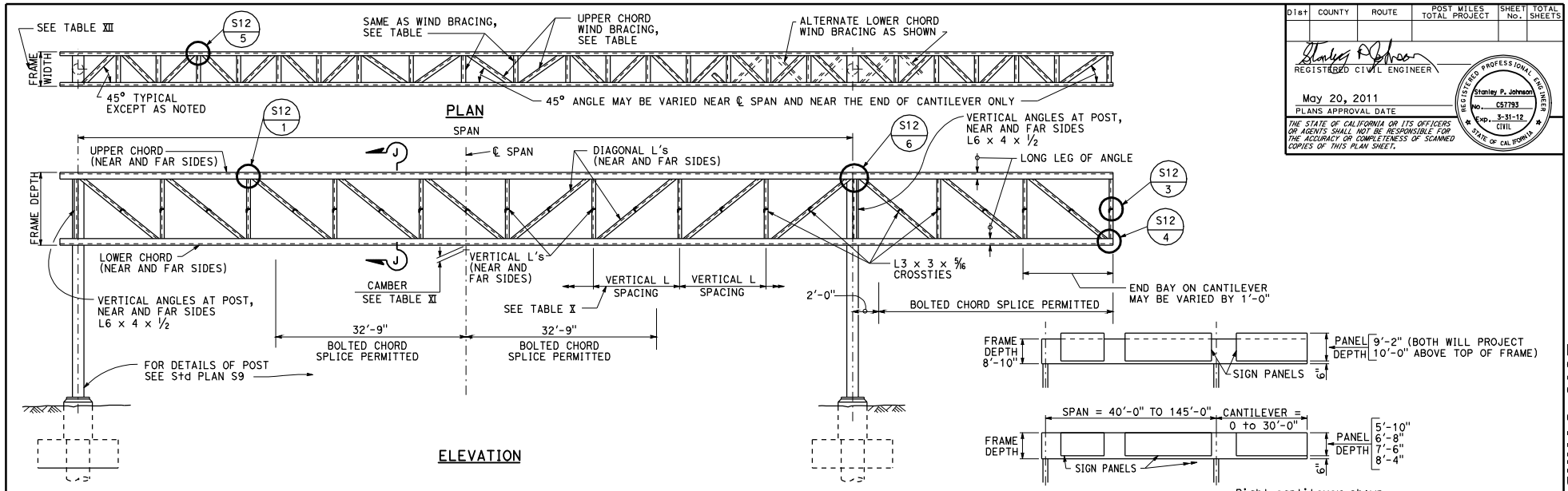
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

Stanley P. Johnson
No. C57793
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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 3 1/2 x 3/8	3 1/2 x 3 1/2 x 5/16	3 1/2 x 3 1/2 x 5/16	2 1/2 x 2 1/2 x 1/4	3'-0"	5 x 3 1/2 x 3/8	3 1/2 x 3 1/2 x 5/16	3 1/2 x 3 1/2 x 5/16	2 1/2 x 2 1/2 x 1/4	3'-0"	5 x 3 1/2 x 3/8	3 1/2 x 3 1/2 x 5/16	3 1/2 x 3 1/2 x 5/16	2 1/2 x 2 1/2 x 1/4
51'-0"-60'-0"		5 x 3 1/2 x 3/8					5 x 3 1/2 x 3/8					5 x 3 1/2 x 3/8			
61'-0"-70'-0"		5 x 3 1/2 x 3/8					5 x 3 1/2 x 3/8					5 x 3 1/2 x 3/8			
71'-0"-80'-0"		6 x 4 x 1/2					6 x 4 x 1/2					6 x 4 x 1/2			
81'-0"-90'-0"		6 x 4 x 1/2					6 x 4 x 1/2					6 x 4 x 1/2			
91'-0"-100'-0"		6 x 4 x 1/2					6 x 4 x 1/2					6 x 4 x 1/2			
101'-0"-110'-0"		8 x 4 x 3/4					8 x 4 x 3/4					8 x 4 x 3/4			3 x 3 x 3/8
111'-0"-120'-0"															
121'-0"-130'-0"											3'-6"				
131'-0"-145'-0"													3 1/2 x 3 1/2 x 3/8	3 1/2 x 3 1/2 x 3/8	

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"	

CAMBER FOR FABRICATION AT ℄ SPAN	
SPAN	CAMBER
40'-0" TO 50'-0"	1 1/16"
51'-0" TO 100'-0"	2 1/8"
101'-0" TO 145'-0"	3 1/4"

Camber to approximate parabola. Camber of cantilever arm = 1/2" for arms greater than 10'-0"

TABLE XI

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 3 1/2 x 3/8	3 1/2 x 3 1/2 x 5/16	3 1/2 x 3 1/2 x 5/16	2 1/2 x 2 1/2 x 1/4	3'-0"	5 x 3 1/2 x 3/8	3 1/2 x 3 1/2 x 5/16	3 1/2 x 3 1/2 x 5/16	2 1/2 x 2 1/2 x 1/4
51'-0"-60'-0"		5 x 3 1/2 x 3/8					5 x 3 1/2 x 3/8			2 1/2 x 2 1/2 x 1/4
61'-0"-70'-0"		5 x 3 1/2 x 3/8					5 x 3 1/2 x 3/8			2 1/2 x 2 1/2 x 1/4
71'-0"-80'-0"		6 x 4 x 1/2					6 x 4 x 1/2			3 x 3 x 3/8
81'-0"-90'-0"		6 x 4 x 1/2					6 x 4 x 1/2			
91'-0"-100'-0"		6 x 4 x 1/2				3'-6"	6 x 4 x 1/2			
101'-0"-110'-0"	3'-6"	8 x 4 x 3/4			3 x 3 x 3/8		8 x 4 x 3/4			
111'-0"-120'-0"							8 x 4 x 3/4			
121'-0"-130'-0"							8 x 4 x 3/4			
131'-0"-145'-0"							8 x 6 x 3/4			

TABLE XII

NOTES:

1. Frame widths shown are nominal. These widths may be varied by 1/4" 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.

S12 — STANDARD PLAN SHEET No.
5 — DETAIL No.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS TWO POST TYPE STRUCTURAL FRAME MEMBERS

NO SCALE

S11

2010 STANDARD PLAN S11

2-8-10