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

REGISTERED CIVIL ENGINEER

July 1, 2002
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffrey B. Woody
No. C41260
Exp. 3-31-03
CIVIL
STATE OF CALIFORNIA

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TABLE XX

Panel Depth	Frame Depth	Max Vertical L Spacing
1778 mm (70")	1931 mm (76")	1829 mm (72")
2032 mm (80")	2185 mm (86")	
2286 mm (90")	2439 mm (96")	2286 mm (90")
2540 mm (100")	2693 mm (106")	
2794 mm (110")	2947 mm (116")	3048 mm (120")
3048 mm (120")	3201 mm (126")	

TABLE XXI

Fabrication Camber at ℄ Span	
Span	Camber
12.2 m - 21.5 m (40' - 70')	25 mm (1")
21.6 m - 30.7 m (71' - 100')	45 mm (1¾")
30.8 m - 36.8 m (101' - 120')	57 mm (2¼")
36.9 m - 44.2 m (121' - 145')	70 mm (2¾")

Camber of cantilever arm = + 13 mm (½") for arms greater than 3.05 m (10').

Camber to approximate parabola.

TABLE XXII

Span	1778 mm (70") Panel Depth					2032 mm (80") Panel Depth					2286 mm (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
12.2 mm-15.4 mm (40'-50')	610 mm (24")	127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")	76 mm x 76 mm x 7.9 mm (3" x 3" x 5/16")	76 mm x 76 mm x 6.4 mm (3" x 3" x 1/4")	38 mm x 38 mm x 6.4 mm (1½" x 1½" x 1/4")	610 mm (24")	127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")	76 mm x 76 mm x 7.9 mm (3" x 3" x 5/16")	76 mm x 76 mm x 6.4 mm (3" x 3" x 1/4")	38 mm x 38 mm x 6.4 mm (1½" x 1½" x 1/4")	610 mm (24")	127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")	76 mm x 76 mm x 7.9 mm (3" x 3" x 5/16")	76 mm x 76 mm x 6.4 mm (3" x 3" x 1/4")	38 mm x 38 mm x 6.4 mm (1½" x 1½" x 1/4")
15.5 mm-18.5 mm (51'-60')							127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")					127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")			
18.6 mm- 21.5 mm (61'-70')							127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")					127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")			
21.6 mm-24.6 mm (71'-80')							127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")					127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")			
24.7 mm-27.6 mm (81'-90')		127 mm x 89 mm x 12.7 mm (5" x 3½" x ½")					127 mm x 89 mm x 12.7 mm (5" x 3½" x ½")					127 mm x 89 mm x 12.7 mm (5" x 3½" x ½")			
27.7 mm-30.7 mm (91'-100')		127 mm x 89 mm x 15.9 mm (5" x 3½" x ⅝")					127 mm x 89 mm x 15.9 mm (5" x 3½" x ⅝")					127 mm x 89 mm x 15.9 mm (5" x 3½" x ⅝")			
30.8 mm-33.7 mm (101'-110')		152 mm x 102 mm x 14.3 mm (6" x 4" x 9/16")					152 mm x 102 mm x 14.3 mm (6" x 4" x 9/16")					152 mm x 102 mm x 14.3 mm (6" x 4" x 9/16")			
33.8 mm-36.8 mm (111'-120')		152 mm x 102 mm x 15.9 mm (6" x 4" x ⅝")					152 mm x 102 mm x 15.9 mm (6" x 4" x ⅝")					152 mm x 102 mm x 15.9 mm (6" x 4" x ⅝")			
36.9 mm- 40.4 mm (121'-132')		178 mm x 102 mm x 19.0 mm (7" x 4" x ¾")				762 mm (30")	178 mm x 102 mm x 19.0 mm (7" x 4" x ¾")			51 mm x 51 mm x 6.4 mm (2" x 2" x 1/4")	762 mm (30")	178 mm x 102 mm x 15.9 mm (7" x 4" x ⅝")			51 mm x 51 mm x 6.4 mm (2" x 2" x 1/4")
40.5 mm-44.2 mm (133'-145')	762 mm (30")				51 mm x 51 mm x 6.4 mm (2" x 2" x 1/4")		178 mm x 102 mm x 19.0 mm (7" x 4" x ¾")					178 mm x 102 mm x 19.0 mm (7" x 4" x ¾")			

TABLE XXII

Span	2540 mm (100") Panel Depth					2794 mm (110") Panel Depth					2286 mm (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
12.2 mm-15.4 mm (40'-50')	610 mm (24")	127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")	76 mm x 76 mm x 7.9 mm (3" x 3" x 5/16")	76 mm x 76 mm x 6.4 mm (3" x 3" x 5/16")	38 mm x 38 mm x 6.4 mm (1½" x 1½" x 1/4")	610 mm (24")	127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")	89 mm x 89 mm x 7.9 mm (3½" x 3½" x 5/16")	89 mm x 89 mm x 7.9 mm (3½" x 3½" x 5/16")	38 mm x 38 mm x 6.4 mm (1½" x 1½" x 1/4")	610 mm (24")	127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")	89 mm x 89 mm x 7.9 mm (3½" x 3½" x 5/16")	101.6 mm x 89 mm x 7.9 mm (4" x 3½" x 5/16")	38 mm x 38 mm x 6.4 mm (1½" x 1½" x 1/4")
15.5 mm-18.5 mm (51'-60')		127 mm x 76 mm x 11.1 mm (5" x 3" x 7/16")													
18.6 mm- 21.5 mm (61'-70')												127 mm x 89 mm x 12.7 mm (5" x 3½" x ½")			
21.6 mm-24.6 mm (71'-80')		127 mm x 89 mm x 12.7 mm (5" x 3½" x ½")					127 mm x 89 mm x 15.9 mm (5" x 3½" x ⅝")					127 mm x 89 mm x 15.9 mm (5" x 3½" x ⅝")			
24.7 mm-27.6 mm (81'-90')		127 mm x 89 mm x 15.9 mm (5" x 3½" x ⅝")					152 mm x 102 mm x 14.3 mm (6" x 4" x 9/16")					152 mm x 102 mm x 14.3 mm (6" x 4" x 9/16")			
27.7 mm-30.7 mm (91'-100')		152 mm x 102 mm x 14.3 mm (6" x 4" x 9/16")										178 mm x 102 mm x 15.9 mm (7" x 4" x ⅝")			
30.8 mm-33.7 mm (101'-110')		152 mm x 102 mm x 15.9 mm (6" x 4" x ⅝")					178 mm x 102 mm x 15.9 mm (7" x 4" x ⅝")					178 mm x 102 mm x 19.0 mm (7" x 4" x ¾")			
33.8 mm-36.8 mm (111'-120')		178 mm x 102 mm x 19.0 mm (7" x 4" x ¾")													
36.9 mm- 40.4 mm (121'-132')					51 mm x 51 mm x 6.4 mm (2" x 2" x 1/4")	762 mm (30")	178 mm x 102 mm x 19.0 mm (7" x 4" x ¾")			51 mm x 51 mm x 6.4 mm (2" x 2" x 1/4")	762 mm (30")	203 mm x 102 mm x 19.0 mm (8" x 4" x ¾")			51 mm x 51 mm x 6.4 mm (2" x 2" x 1/4")
40.5 mm-44.2 mm (133'-145')	762 mm (30")	203 mm x 102 mm x 19.0 mm (8" x 4" x ¾")					203 mm x 102 mm x 22.2 mm (8" x 4" x 7/8")					203 mm x 102 mm x 22.2 mm (8" x 4" x 7/8")			

NOTES

1. Frame widths shown are nominal. These widths may be varied by 6 mm (¼") to standardize fabrication methods.
2. For View F-F, see S40D
3. For Section K-K, see S40B
4. For Foundation Details, see S39
5. For General Notes, see S1

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN - BOX BEAM CLOSED TRUSS - TWO POST TYPE FRAME MEMBERS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

S40AA

2002 DUAL UNITS STD PLAN S40AB