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

Caltrans Metric

REGISTERED CIVIL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Ellis K. Hirst No. C17926 Exp. 6-30-05 CIVIL STATE OF CALIFORNIA

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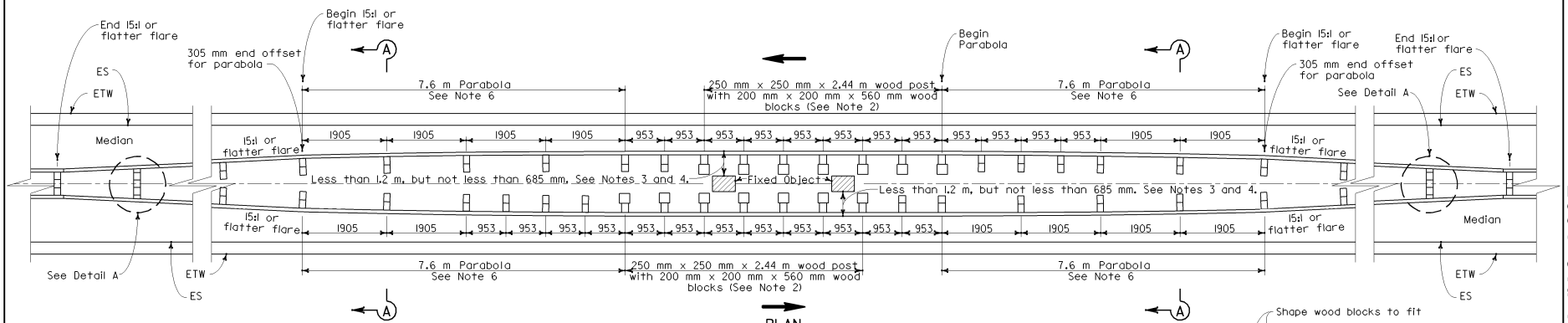
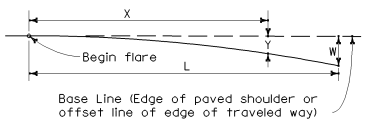


PLAN

THRIE BEAM BARRIER AT FIXED OBJECTS

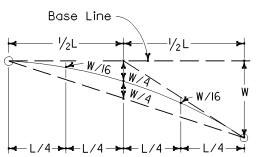
(Wood post and block shown)
See Notes 1, 2 and 3.



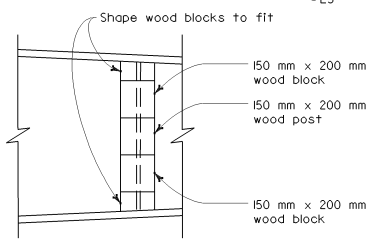
$$Y = \frac{WX^2}{L^2}$$

Y = Offset from base line
W = Maximum offset
X = Distance along base line
L = Length of flare

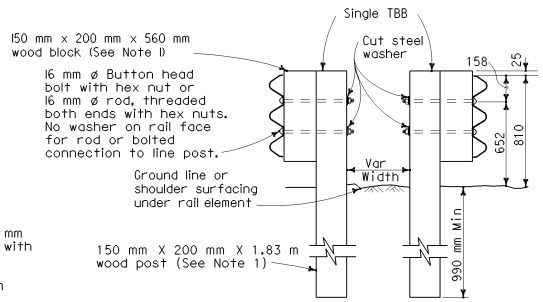
PARABOLIC FLARE OFFSETS



TYPICAL PARABOLIC LAYOUT



DETAIL A



SECTION A-A

Wood post with wood block shown
See Note 1

NOTES

1. Where applicable and when specified, MW 150 x 14 x 2 m steel post with 150 mm x 200 mm x 560 mm notched wood blocks or plastic blocks may be used for 150 mm x 200 mm x 1.83 m wood post with 150 mm x 200 mm x 560 mm wood post.
2. Where applicable and when specified, MW 150 x 22 x 2.44 m steel post with 200 mm x 200 mm x 560 mm notched wood blocks or plastic blocks may be used for the 250 mm x 250 mm x 2.44 m wood post with 200 mm x 200 mm x 560 mm wood blocks shown at 953 mm center to center spacing.
3. Where a minimum clearance of 1.2 m or more can be obtained between the face of the thrie beam rail and the face of the fixed object(s), the following substitutions may be made:
   a) 150 mm x 200 mm x 1.83 m wood posts with 150 mm x 200 mm x 560 mm wood blocks for the 250 mm x 250 mm x 2.44 m wood post with 200 mm x 200 mm x 560 mm wood blocks shown.
   b) 1905 mm post spacing for the 953 mm spacing shown.
4. Where the clearance between the face of the railing and the face of a fixed object is less than 685 mm, a concrete barrier should be constructed to shield the fixed object(s).
5. Direction of traffic indicated by ⟶ .
6. For typical flare offsets for 7.6 m length parabola with maximum offset of 305 mm, see Standard Plan A77E1.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

THRIE BEAM BARRIER AT FIXED OBJECTS IN MEDIAN

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

A78D1

2004 Std PLAN A78D1

08-09-04