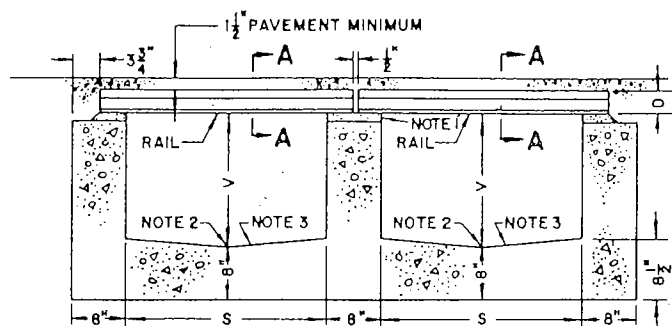
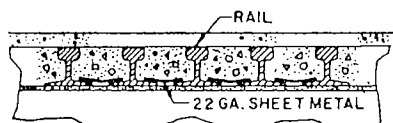


TYPICAL SECTION OF SINGLE BOX



TYPICAL SECTION OF DOUBLE BOX



SECTION A-A

RAIL SPACING

RAIL WEIGHT	D
30LB./YD.	3 1/2"
35LB./YD.	3 7/8"
40LB./YD.	3 1/2"
45LB./YD.	3 11/16"
50LB./YD.	3 7/8"
55LB./YD.	4 1/16"
60LB./YD.	4 1/4"
80LB./YD.	5"

S	30LB.	35LB.	40LB.	45LB.	50LB.	55LB.	60LB.	LENGTH
2'-6"	7 1/2"	8 3/4"	10"	10"	10"	10"	10"	3'-2"
3'-0"	6 1/2"	7 1/2"	8 1/2"	9 1/4"	10"	10"	10"	3'-8"
3'-6"	5 1/2"	6 1/2"	7 1/2"	8 1/4"	9"	10"	10"	4'-2"
4'-0"	5"	6"	7"	7 3/4"	8 1/2"	9 1/4"	10"	4'-8"
4'-6"	4 1/2"	5 1/2"	6 1/2"	7 1/4"	8"	8 3/4"	9 1/2"	5'-2"
5'-0"	4"	5"	6"	6 3/4"	7 1/2"	8 1/4"	9"	5'-8"
5'-6"	3 3/4"	4 1/2"	5 1/2"	6 1/4"	7"	7 3/4"	8 1/2"	6'-2"
6'-0"	3 1/2"	4 1/4"	5"	5 3/4"	6 1/2"	7 1/4"	8"	6'-8"

S	CU. YD. OF CONC./10 FT. V IN INCHES	LBS. OF STEEL/10'
2'-6"	1.451 + 0.041V	507
3'-0"	1.635 + 0.041V	677
3'-6"	1.814 + 0.041V	910
4'-0"	1.994 + 0.041V	1121
4'-6"	2.171 + 0.041V	1380
5'-0"	2.343 + 0.041V	1701
5'-6"	2.520 + 0.041V	1974
6'-0"	2.692 + 0.041V	2287
DOUBLE 3'-0"	3.028 + 0.062V	1364
DOUBLE 3'-6"	3.386 + 0.062V	1818
DOUBLE 4'-0"	3.747 + 0.062V	2240
DOUBLE 4'-6"	4.101 + 0.062V	2756
DOUBLE 5'-0"	4.444 + 0.062V	3400
DOUBLE 5'-6"	4.796 + 0.062V	3947
DOUBLE 6'-0"	5.141 + 0.062V	4571

NOTES:

1. PLACE ALL RAILS ON CLASS "B" MORTAR, 1/2" MINIMUM.
2. FLOW LINE ELEVATION AS SHOWN ON PLAN.
3. FLOOR OF BOXES TO BE TROWELED SMOOTH.
4. RAIL WEIGHT IS OPTIONAL UNLESS OTHERWISE SHOWN.
5. USE MANHOLE FRAME AND COVER NO. 4 UNLESS OTHERWISE SHOWN.

LOS ANGELES COUNTY ROAD DEPARTMENT

RAIL TOP BOX CULVERT NO. 13

STANDARD PLAN

60-13

APPROVED

*J. L. Mosher*

15 Jan 69

ROAD COMMISSIONER

DATE

REVISIONS AND REDRAWN BY: F.H. KOGA, 9-61. CHECKED BY: R. SADLEIR, 9-61.  
 REV. 1-69: REMOVED MANHOLE SUPPORT DETAIL; REV. NOTES.