

TABLE OF REINFORCING SPACING

Curb Height "C"	Section Type	Bars S, L & Z Spa	
8" to 9"	1	12"	
Over 9" to 21-0"	2	9"	
Over 2'-0" to 3'-0"	3	7"	
Over 3'-0" to 5'-0"	3	5"	

TABLE OF ESTIMATED QUANTITIES 4

Curb Height "C"	Section Type	Reinf Steel (Lb/LF)	Concrete		
8"	1	21.2	0.049		
9"	1	21.2	0.056		
1'-0"	2	29.1	0.074		
1'-6"	2	30.0	0.111		
2'-0"	2	30.9	0.148		
3'-0"	3	42.5	0.222		
4'-0"	3	55.8	0.296		
5′-0"	3	59.0	0.370		

- "T" is equal to the culvert top slab thickness. For Precast Boxes with slabs less than 7", see SCP-MD Standard for additional details.
- 2 Tilt Bars L hook as necessary to maintain cover.
- 3 Optional Bars L are to be used only for Precast Box Culverts with 3'-0" closure pours.
- 4 Quantities shown are for Contractor's information only. Quantities are per Linear Foot of curb length. The values for each section type in table can be interpolated for intermediate values of Curb Height, "C".

Designed according to current AASHTO Standard and Interim Specifications.

The rail anchorage curb details have sufficient strength for use with the following rail types: T101, T221, C221, T203, C203, T401, T402, C402, T411, C411, T501, C501, T502, C502, SSTR, PR1, PR2, B221.

See appropriate rail standard for approved design speed restrictions, notes and details not shown. If attaching the T101 or C101 rail, note that the anchor plates shown on this sheet replace the anchor plates shown on the T101 or C101 standard.

All reinforcing steel shall be Grade 60.
All concrete shall be Class "C" with a minimum compressive strength of 3,600 psi. 4,200 When using this anchorage curb, omit normal

culvert standard sheets. This anchorage curb is considered part of the Box Culvert for payment. For vehicle safety, the top of the curb shall be

These details are for use with curbs that are 8" to 5'-0" tall only. Curb heights that are less than or greater than those shown will require special design.

SHEET 1 OF 2



RAIL ANCHORAGE CURB **BOX CULVERT** RAIL MOUNTING DETAILS

(CURBS 8" TO 5'-0" TALL ONLY)

	RAC					
FILE: racste01.dgn	DN: GAF	ck: TxDOT	DW: T>	DOT	CK:	GAF
© TXDOT May 2005	DISTRICT	FEDERAL AID PROJECT SHE			SHEET	
REVISIONS						
	COUNTY		CONTROL	SECT	JOB	HIGHWAY
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RECORD DRAWING THIS RECORD DRAWING HEREIN REFLECTS TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THE APPROXIMATE LOCATION OF THE CONSTRUCTED WORK, USING INFORMATION AS PROVIDED BY THE CONTRACTORS AND SURVEYED GRADES.

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TAIL RT DE ANCHORAGE BOX CULVER MOUNTING D

Kimley-Horn and Associates, Inc.

02-27-2008