

SECTION A-A
TYPICAL SECTION THRU TRAFFIC RAILING/SOUND BARRIER
(Section Thru Bridge Deck Shown, Section Thru
Approach Slab, Junction Slab or Footing Similar)

Beam or Steel Girder

VIEW B-B
END VIEW OF RAILILNG END TRANSITION FOR
GUARDRAIL ATTACHMENT AT END OF APPROACH SLAB
(Flexible Pavement Approach Slab Shown, Rigid Pavement
Approach Slab, Junction Slab or Footing Similar)

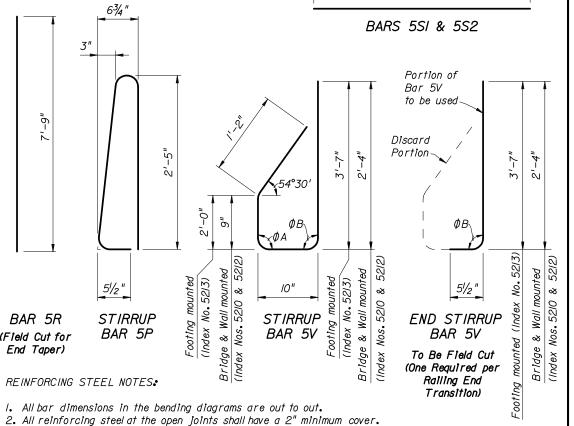
REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL					
MARK	SIZE	LENGTH			
P	5	5'-7"			
R	5	7'-9"			
SI	5	AS REQD.			
<i>S2</i>	5	7'-3"			
V (Bridge and Wall)	5	5'-/"			
V (Footing)	5	7'-7"			

BRIDGE		LOW GUTTER HIGH GUTTER			
CROSS-SLOPE		ØΑ	ΦB	ØΑ	ΦB
BRIDGE MOUNTED	0% to 2%	90°	90°	90°	90°
	2% to 6%	93°	87°	87°	93°
	6% to 10%	96°	84°	84°	96°
WAL	LL & FOOTING MOUNTED	90°	90°	90°	90°

5SI Length as Required

7'-3"



3. Bars 5SI may be continuous or spliced at the construction joints. Lap splices for Bars 5SI

4. The Contractor may use Welded Wire Fabric when approved by the Engineer. Welded Wire

5. Bars 5R shall be one continuous bar. No mechanical couplers or lap splices are permitted.

6. See Index Nos. 5214 and 5215 for Bars 5V and 5T in L-shaped and Trench footings.

ESTIMATED TRAFFIC RAILING/SOUND BARRIER QUANTITIES

shall be a minimum of 2'-2".

Fabric shall conform to ASTM A 497.

ITEM	UNIT	QUANTITY
Concrete (Railing)	C.Y./FT.	0.104
Concrete (Sound barrier)	C.Y./FT.	0.145
Reinforcing Steel (Typical)	LB./FT.	78 . 57
Additional Reinf.@ Open Joint	LB•	430 . 24

CROSS REFERENCE:

For locations of Section A-A and Detail "B", see Sheet No. I of 3.

For location of View B-B, see Sheet No. 2 of 3.

(The above quantities are based on the bridge mounted typical section, 2% deck cross slope and railing on low side of deck.)



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