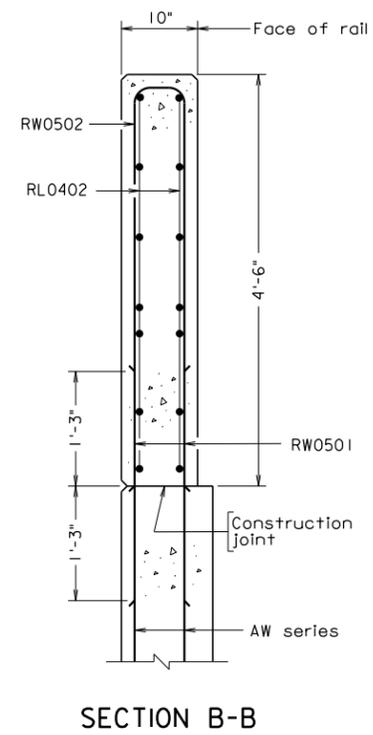
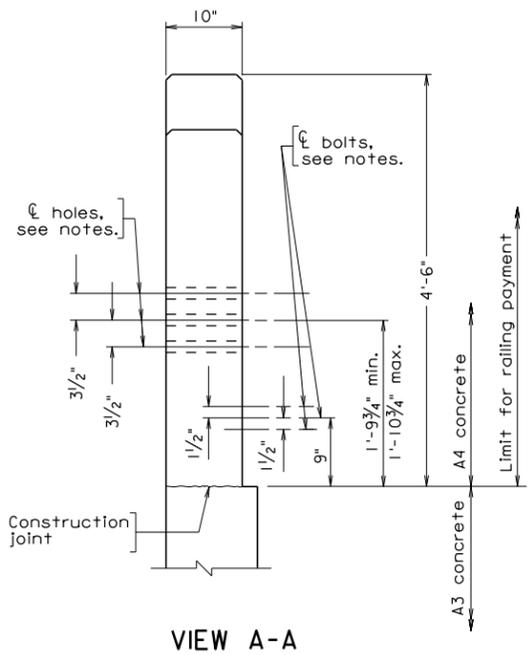
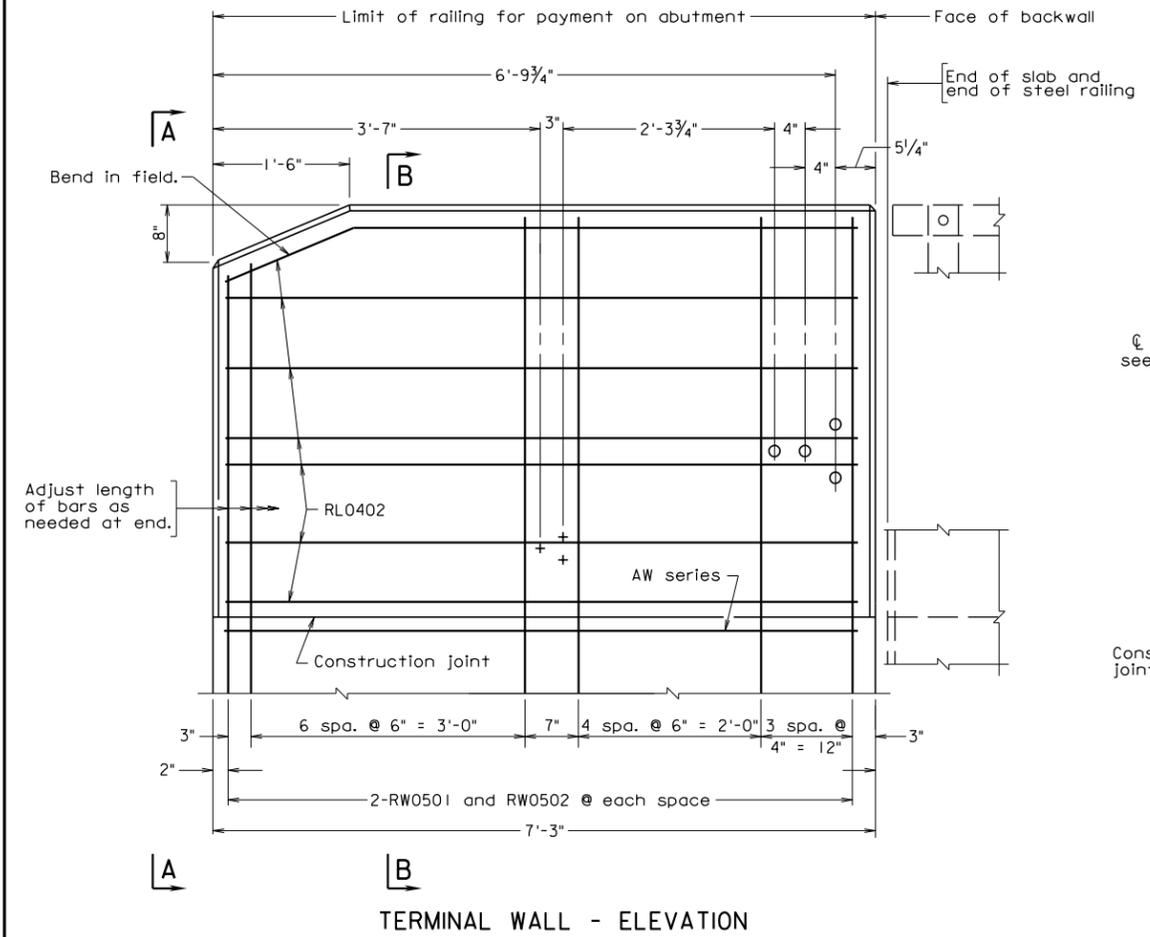


STATE	FEDERAL AID		STATE		SHEET NO.
ROUTE	PROJECT		ROUTE	PROJECT	
VA.					



Notes:

All bevels for concrete on this sheet shall be 3/4". Rounded edges with 1" radius may be used in lieu of bevels along top of rail.

All reinforcing bars shall be Corrosion Resistant Reinforcing Steel, Class ...

Each terminal wall shall be cast as one piece.

The Contractor shall determine all details necessary for installation.

All concrete shall be Class A4.

For details of wingwall below construction joint, see abutment sheets.

Terminal walls are detailed to take guardrail attachment GR-FOA-1.

Holes, where shown, shall be formed with sleeves of 1/2" diameter nominal pipe.

Bolts for guardrail attachment where shown shall be 5/8" diameter expansion anchor bolts 6" long to be drilled and installed when rub rail is attached.

For details and reinforcing steel schedule of steel railing, see sheet ...

Bid item for terminal wall shall include concrete noted in plans and reinforcing steel indicated in Reinforcing Steel Schedule.

TERMINAL WALL - ELEVATION

VIEW A-A

SECTION B-B

REINFORCING STEEL SCHEDULE					
RW0502					
Mark	Size	No.	Length	Pin ϕ	Location
RW0501	#5		2'-6"	—	Terminal wall
RW0502	#5		9'-0"	3 3/4"	Terminal wall
RL0402	#4		6'-11"	—	Terminal wall

Dimensions in bending diagram are out-to-out of bars.

BR27T-6 12-14-2012 br27t6.dgn

Sealed and Signed by:
Julius F.J. Volgyi Jr.,
Lic. No. 010487
On the date of
December 14, 2012

A copy of the original
sealed and signed
standard drawing
is on file in the
Central Office.

VDOT S&B DIVISION
RICHMOND, VA
STRUCTURAL ENGINEER

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
54" BR27C/BR27D TERMINAL WALL					
No.	Description	Date	Designed: S&B, DIV	Date	Plan No.
			Drawn: S&B, DIV		BR27T-6
			Checked: S&B, DIV		

**BR27_ STEEL RAILING
BR27T-SERIES**

TERMINAL WALL ON ABUTMENT WINGWALL

NOTES TO DESIGNER:

The BR27_steel railing uses the BR27T-series for concrete terminal walls in conjunction with the BR27C or BR27D series. Miscellaneous steel rail connections and fabricator's note used in the BR27C and BR27D series are also shown in the BR27T-series.

This concrete terminal wall standard has a height of 4'-6" from the roadway surface.

Include this standard when using standard BR27C-14, BR27C-15 or BR27D-10 and when terminal wall is detailed on abutment wingwall. This standard, without the details and notes for guardrail attachment, may be included with BR27C-13 and BR27D-9 when used in conjunction with an inside traffic barrier to provide a shared use path (SUP). For geometrics of SUP, see Office Practice, Vol. V-Part 2, Chapter 6, sheets 4-10 to 4-16.

It is the Contractor's responsibility to determine the number of reinforcing bars required as well as any details or dimensions. Therefore, these items are to be left blank in the Reinforcing Steel Schedule.

AW series bars are included in abutment reinforcement.

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

VIEW A-A:

For projects with bituminous overlay, modify vertical dimension 9" and the range (1'-9 $\frac{3}{4}$ " min. – 1'-10 $\frac{3}{4}$ " max.) for location of bolts and 4'-6" height of terminal wall so that these dimensions will be established from top of overlay surface.

SECTION B-B:

For projects with bituminous overlay, modify vertical dimension 4'-6" so that this dimension will be established from top of overlay surface.

NOTES:

Complete first note by adding the Class I, II or III of corrosion resistant reinforcing steel required. For additional information on corrosion resistant reinforcing steels (CRR), see Structure and Bridge Division Memorandum (current IIM-S&B-81).

Complete sheet no. for details and reinforcing steel schedule of steel railing.

STANDARD BR27T-6: NOTES TO DESIGNER

VOL. V - PART 3
DATE: 14Dec2012
SHEET 2 of 3
FILE NO. BR27T-6-2

**BR27_ STEEL RAILING
BR27T-SERIES**

TERMINAL WALL ON ABUTMENT WINGWALL

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD: (cont'd)

REINFORCING STEEL SCHEDULE:

For projects with bituminous overlay bituminous, adjust dimension and length of rebar RW0502.

TITLE BLOCK:

Replace standard designation with Plan No.

STANDARD BR27T-6: NOTES TO DESIGNER

VOL. V - PART 3
DATE: 06Apr2012
SHEET 3 of 3
FILE NO. BR27T-6-3