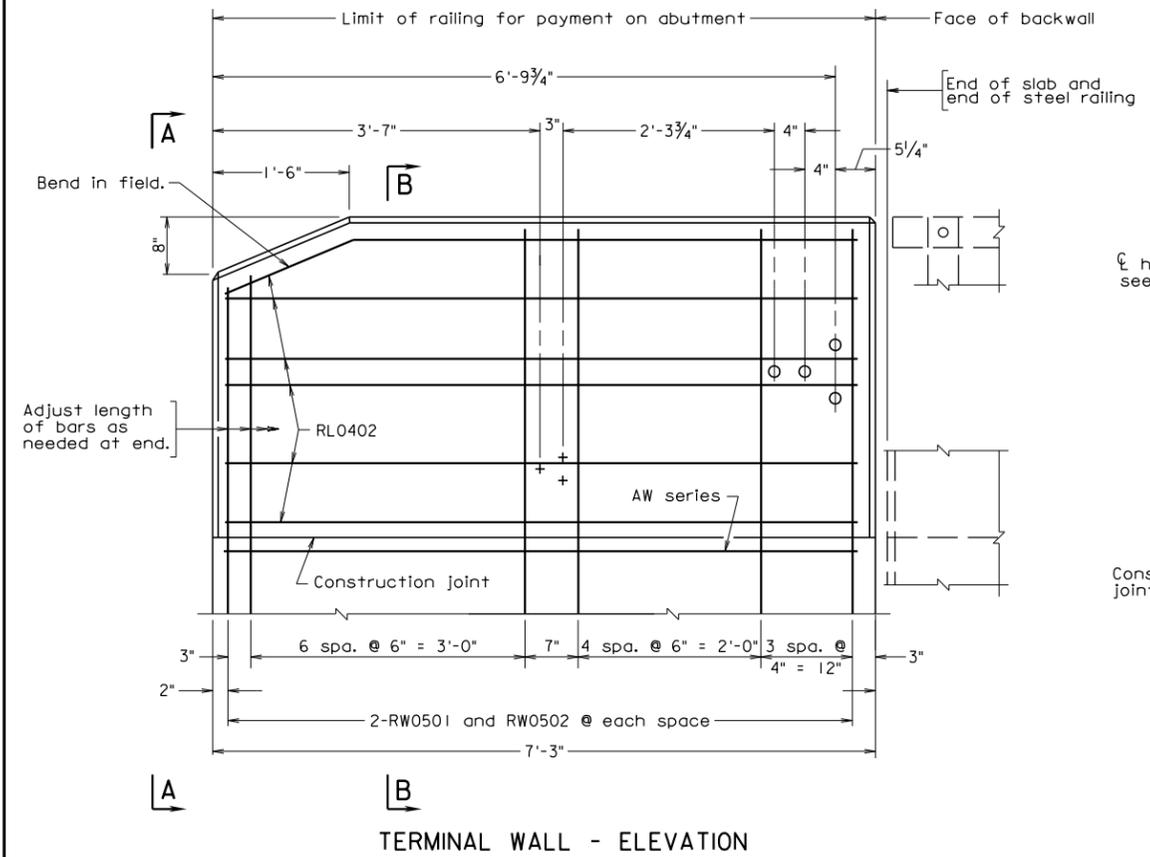
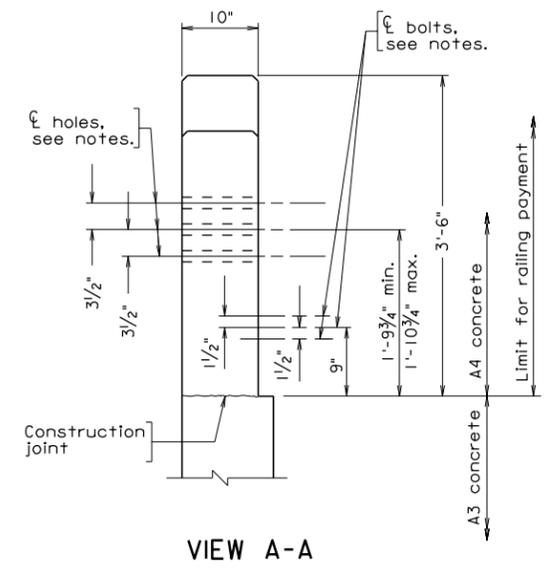


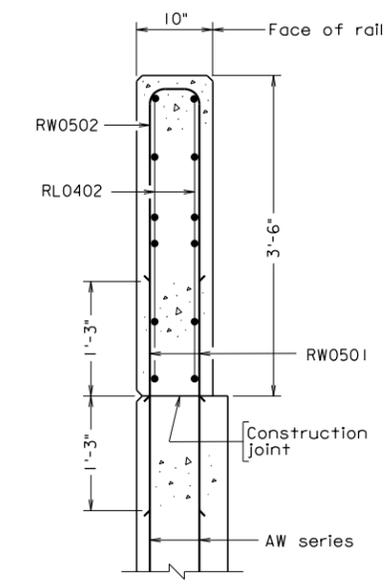
STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.			



TERMINAL WALL - ELEVATION



VIEW A-A



SECTION B-B

Notes:  
 All reinforcing bars shall be Corrosion Resistant Reinforcing Steel, Class ...  
 Each terminal wall shall be cast as one piece.  
 For details of wingwall below construction joint, see abutment sheets.  
 Terminal walls are detailed to take guardrail attachment GR-F0A-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 ...

REINFORCING STEEL SCHEDULE					
RW0502					
Mark	Size	No.	Length	Pin $\phi$	Location
RW0501	#5		2'-6"	—	Terminal wall
RW0502	#5		7'-0"	3 3/4"	Terminal wall
RL0402	#4		6'-11"	—	Terminal wall

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

BR27T-2 08-07-2012 br27t2.dgn

Sealed and Signed by:  
 Julius F.J. Volgyi Jr.  
 Lic. No. 010487  
 On the date of  
 Aug. 7, 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

Scale: 1" = 1'-0" unless otherwise noted.

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
42"-BR27_ TERMINAL WALL					
No.	Description	Date	Designed: S&B...DIV	Date	Plan No.
			Drawn: S&B...DIV		BR27T-2
			Checked: S&B...DIV		
Revisions					

## 42"-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.

This concrete terminal wall standard has a height of 3'-6" from the roadway surface.

Include this standard when using standard BR27C-12 or BR27D-8 and when terminal wall is detailed on abutment wingwall.

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

AW series bars are included in abutment reinforcement. AW bars on traffic side of wingwall which project into terminal wall shall have a minimum density equivalent to #5 bars spaced at 6" c-c. AW bars on backside of wingwall which project into terminal wall shall have a minimum density as required for shrinkage and temperature.

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

##### ELEVATION:

Complete sheet no. for steel railing.

##### VIEW A-A:

For projects with bituminous overlay, modify vertical dimension 9" and the range (1'-9¾" min. – 1'-10¾" max.) for location of bolts and 3'-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 3'-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 steel (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-2: NOTES TO DESIGNER

VOL. V - PART 3  
DATE: 07Aug2012  
SHEET 2 of 3  
FILE NO. BR27T-2-2

**42"-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.