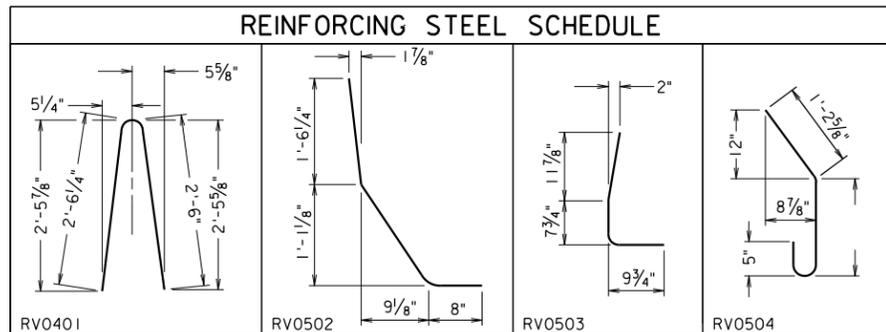
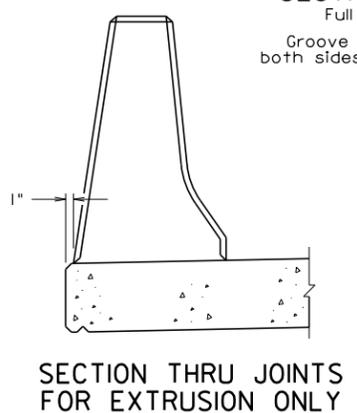
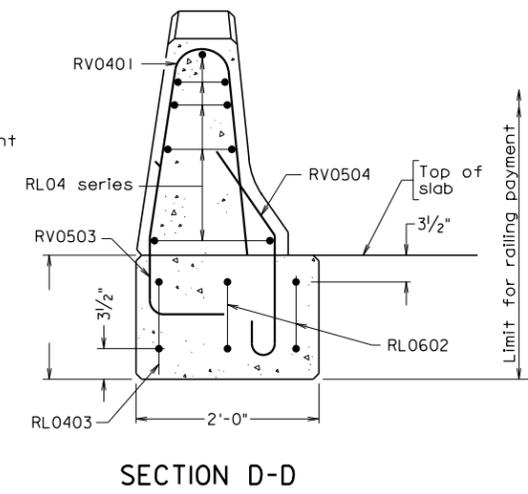
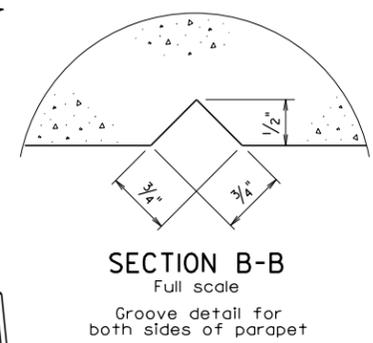
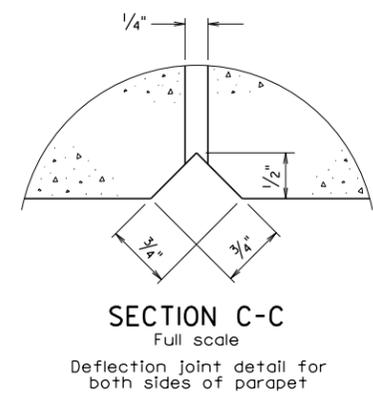
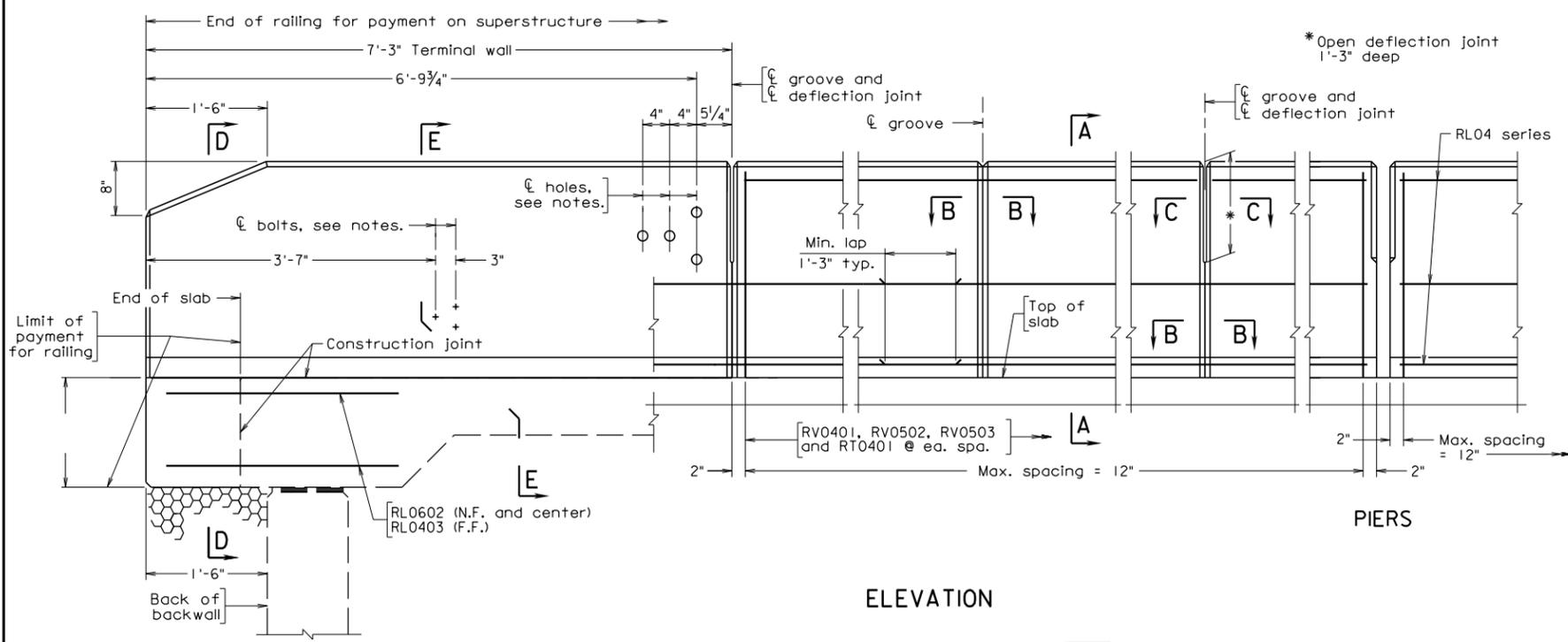
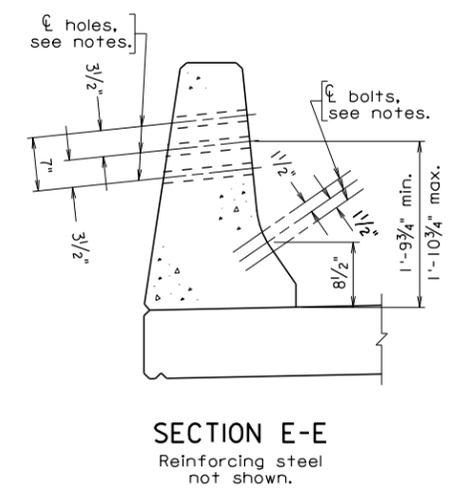
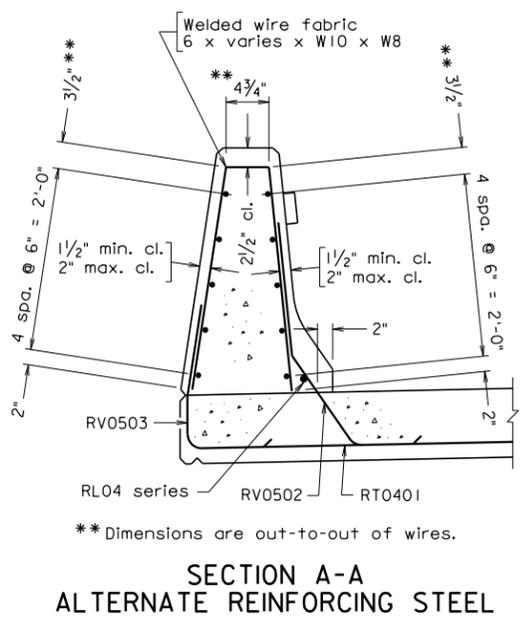
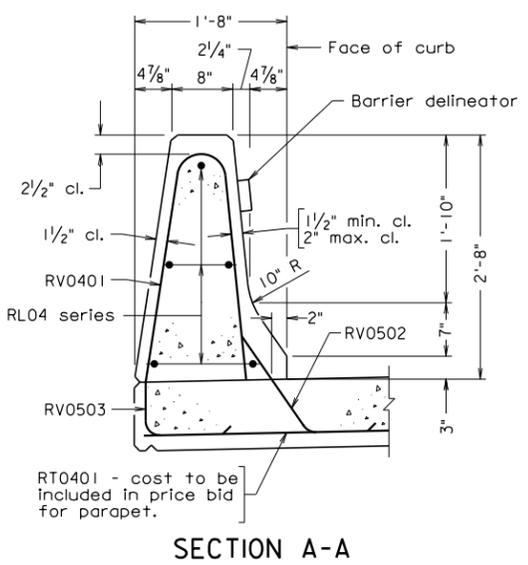
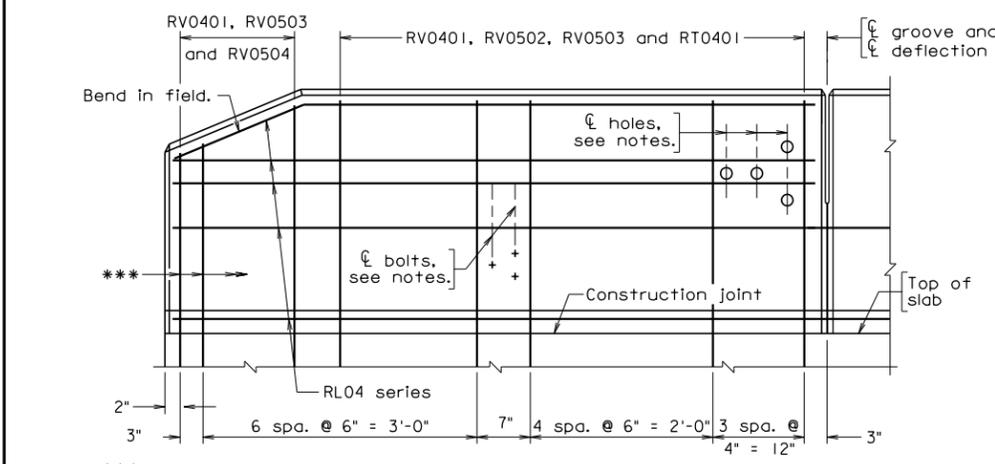


STATE	FEDERAL AID	STATE	SHEET NO.
VA.	PROJECT	ROUTE PROJECT	



Mark	No.	Size	Pin $\phi$	Length	Location
RT0401		#4	—	3'-0"	Slab
RV0401		#4	4 1/2"	5'-2"	Parapet and terminal wall
RV0502		#5	3 3/4"	3'-5 5/8"	Parapet and terminal wall
RV0503		#5	3 3/4"	2'-4"	Parapet and terminal wall
RV0504		#5	3 3/4"	—	Terminal wall end support
RL04		#4	—	—	Parapet and terminal wall
RL0602		#6	—	4'-0"	Terminal wall end support
RL0403		#4	—	4'-0"	Terminal wall end support

Dimensions in bending diagram are out-to-out of bars, except as shown.  
Cost of all bars listed in schedule to be included in price bid for parapet.



Gross concrete quantities (C.Y.) = Lin. Ft. x 0.105  
All concrete above roadway slab

Scale: 1" = 1'-0" unless otherwise shown. © 2012, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION					
CAST-IN-PLACE CONCRETE PARAPET (F-SHAPE)					
No.	Description	Date	Designed: S&B...DIV	Date	Plan No.
			Drawn: ...S&B...DIV		Sheet No.
			Checked: S&B...DIV		
Revisions			BPB-3D		

12-14-2012  
BPB-3D  
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

## CAST-IN-PLACE CONCRETE PARAPET F-SHAPE

### TERMINAL WALL ON SUPERSTRUCTURE WITH DECK SLAB EXTENSION

#### NOTES TO DESIGNER:

The F-shape parapet has a height of 2'-8" and has been crash tested for TL-4 (TL = test level). It is used as the normal traffic barrier unless an open rail is required.

Terminal wall is detailed on superstructure. Standard is used with deck slab extension.

If an initial bituminous overlay is used on the bridge at the time of construction, vertical dimensions and dimensions for reinforcing steel need to be adjusted. The dimensions shown are established from the top of the roadway surface. Therefore, for example if a 1" overlay at the curb is set, the 3" curb dimension and the overall 2'-8" height of the parapet would need to be adjusted to 4" and 2'-9" respectively (Section A-A). In addition, all height dimensions of bolt locations in relation to top of deck slab need to be adjusted by 1" (Section E-E).

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.

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

##### ELEVATION:

Provide dimension for terminal wall end support.

##### SECTION A-A:

Modify vertical dimensions (3" curb and 2'-8" parapet height) so that these dimensions will be established from top of overlay surface as noted above.

##### SECTION D-D:

Provide dimension for terminal wall end support.

##### SECTION E-E:

Modify vertical dimension 8½" and the range (1'-9¾" min. – 1'-10¾" max.) for bolt locations so that these dimensions will be established from top of overlay surface as noted above.

**CAST-IN-PLACE CONCRETE PARAPET F-SHAPE  
TERMINAL WALL ON SUPERSTRUCTURE WITH DECK SLAB EXTENSION**

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

REINFORCING STEEL SCHEDULE:

Modify steel rebars if needed due to slab depth, cross slope, or initial overlay if used on bridge.

Complete dimension and length of rebar RV0504.

NOTES:

Complete second 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 of deck slab extension or slab span.