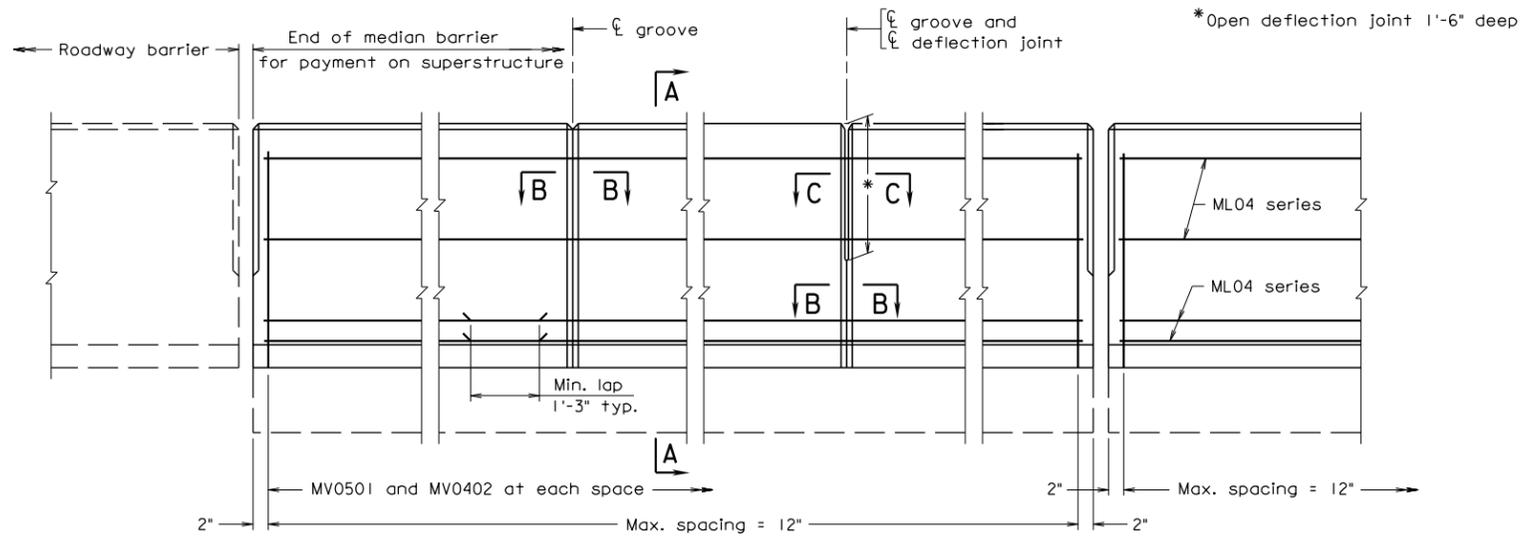
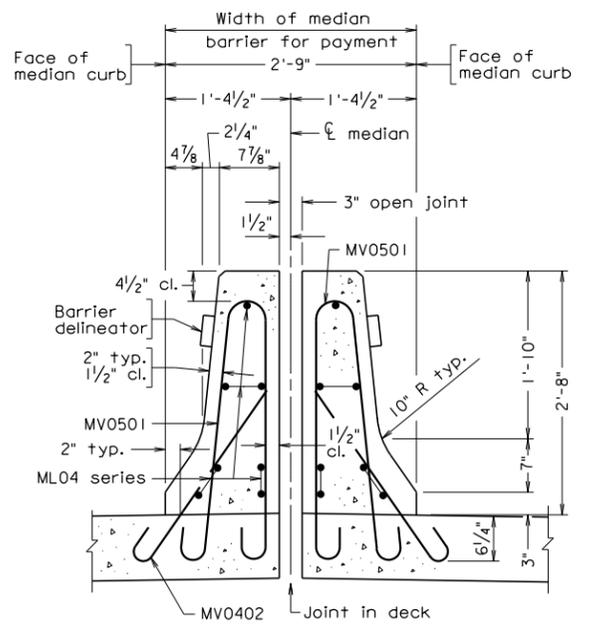
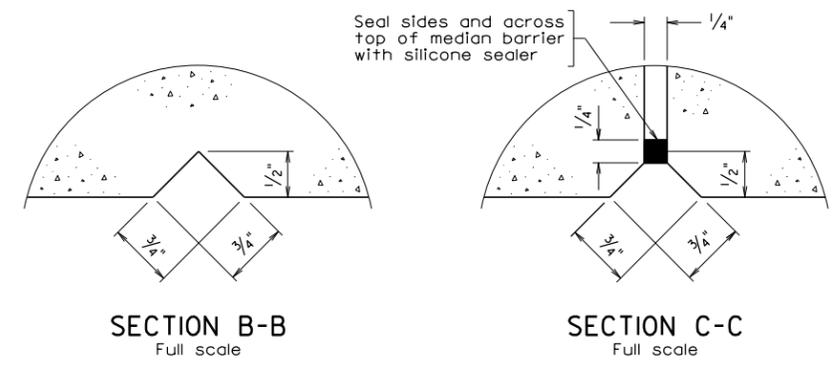


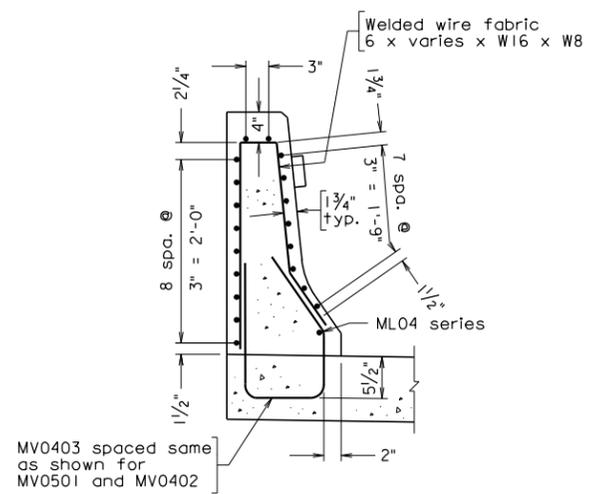
STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.			



ABUTMENTS ELEVATION PIERS
Max. spacing = 12"

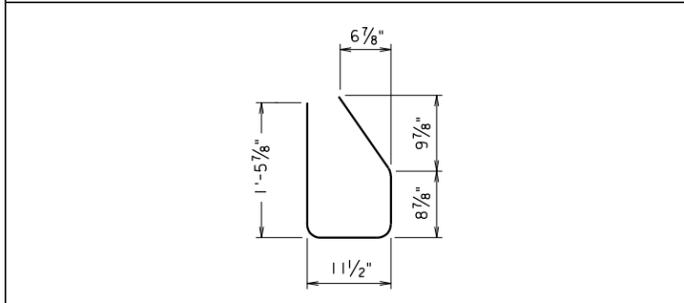


SECTION A-A



PART SECTION A-A ALTERNATE REINFORCING STEEL

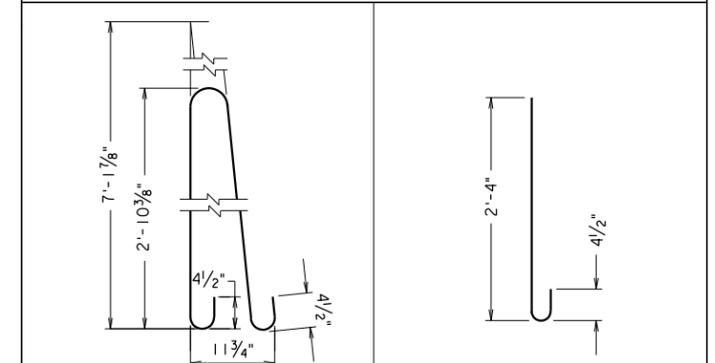
ALTERNATE REINFORCING STEEL SCHEDULE



Mark	No.	Size	Pin ϕ	Length	Location
MV0403		#4	3"	4'-0"	Median barrier
ML04		#4			Median barrier

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

REINFORCING STEEL SCHEDULE



Mark	No.	Size	Pin ϕ	Length	Location
MV0501		#5	*4 1/4"	6'-11"	Median barrier
MV0402		#4	2"	2'-10"	Median barrier
ML04		#4			Median barrier

* Pin ϕ 2 1/2" for hooks at ends

Dimensions in bending diagram are out-to-out of bars, except as shown.

Gross concrete quantities (C.Y.) = Lin. ft. x 0.170 for all concrete above roadway slab.

BMB-5A 12-14-2012 bmb5a.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					
CAST-IN-PLACE CONCRETE MEDIAN BARRIER (F-SHAPE)					
No.	Description	Date	Designed: S&B...DIV	Date	Plan No.
			Drawn: ...S&B...DIV		Sheet No.
			Checked: S&B...DIV		
Revisions			BMB-5A		

CAST-IN-PLACE CONCRETE (SPLIT) MEDIAN BARRIER

F-SHAPE

NOTES TO DESIGNER:

Standard is used when there is longitudinal joint in median barrier. Although the joint opening of 3" should be satisfactory for most situations, it is up to the designer to adjust the opening if required, e.g., long spans, curved girders with small radii.

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 roadway surface. Therefore, for example if a 1" overlay at the median barrier curb is set, the 3" curb dimension and the 2'-8" barrier height would need to be adjusted to 4" and 2'-9" respectively (Section A-A).

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 and Alternate Reinforcing Steel Schedule.

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

Modify vertical dimensions (3" curb and 2'-8" barrier height) as noted above if an initial overlay is used on bridge.

REINFORCING STEEL SCHEDULE:

Modify bars if needed due to slab depth, cross slope or if an initial overlay is used on bridge.

ALTERNATE REINFORCING STEEL SCHEDULE:

Modify bar MV0403 if needed due to slab depth, cross slope or if an initial overlay is used on bridge.

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).