



### SPECIAL PROVISION

- A Specification is available for applicable projects as follows:  
- <http://virginiadot.org/business/const/spec-default.asp>

### CONSTRUCTION OF CONCRETE BARRIER & RETAINING WALLS ON SUPERS

#### POLICY\*

- Concrete Barriers on roadway approaches should be designed with the same shape (K type) and angle of inclination as the parapet face and concrete median barriers on the bridge.
- The Standard GS-11 has a 7% algebraic difference for the shoulder break on the outside of a superelevated section. The bridge deck has a straight super between parapet walls making it necessary to spline the shoulder grade of the roadway to match the bridge deck slope. Under normal conditions, this can be accomplished by a 200' transition.

The same principle would apply to the low side of the roadway. Should the superelevation of the bridge deck be less than the slope of the inside shoulder, then it would be necessary to spline the shoulder grade to match the bridge deck. The length of transition is to be obtained by using sound engineering practices.

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\* Added 7/08