

**BRIDGE DESIGN MEMORANDUM – DM0509**

**TO:** RPG Structural Engineers  
Design Consultants

**DATE:** November 30, 2009

**RE:** Section 17.6.1.5 of the *SCDOT Bridge Design Manual*

Item 2 of Section 17.6.1.5 of the *SCDOT Bridge Design Manual* shall be deleted and replaced with the following:

2.  $V \geq 50$  mph. Place the 32-in concrete bridge barrier parapet between pedestrians and traffic; i.e., between the roadway portion of the bridge deck and the sidewalk. The 32-in concrete barrier must have a metal hand rail on top of the barrier to reach the required 42-in height for a pedestrian rail. A 42-in pedestrian rail is then used at the outside edge of the sidewalk. The sidewalk portion shall be detailed with a cross slope no greater than 2 percent as shown in Figure 12.6-7.

*Original Signed by E. S. Eargle on November 30, 2009*

E. S. Eargle  
Preconstruction Support Engineer

ESE:afg  
cc: Bridge Construction Engineer  
Bridge Maintenance Engineer  
FHWA Structural Engineer  
File: PC/BWB

Preconstruction Support Managers  
Regional Production Engineers  
RPG Design Managers

