

BRIDGE DESIGN MEMORANDUM – DM0212

TO: RPG Structural Engineers
Design Consultants

DATE: July 12, 2012

RE: *SCDOT Bridge Design Manual*
Revisions to Sections 21.2.1.8 and 21.2.1.9

Delete the first paragraph in Section 21.2.1.8 of the *SCDOT Bridge Design Manual* and replace it with the following:

Bearing plates used at integral bents shall have the same plan dimensions as the leveling pad. For other types of bents, the bearing plate shall be at least 1 inch wider than the elastomeric bearing on which the plate rests. Bearing plates shall satisfy the edge distances given in Figure 21.2-3.

Delete the paragraph in Section 21.2.1.9 of the *Manual* and replace it with the following:

A plain elastomeric pad shall be detailed under the bearing plate of beams at integral bents to provide a level and uniform bearing surface. The plan dimensions of the pad shall match the plan dimensions of the bearing plate and the thickness shall be a minimum of ¼ inch. Structural grout is not an acceptable substitute.

Please note these revisions in your copy of the *Manual*.

*Original Signed by James W. Kendall, Jr.
on July 12, 2012*

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Preconstruction Support Managers
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