

BRIDGE DESIGN MEMORANDUM – DM0314

TO: RPG Structural Engineers
Design Consultants

DATE: December 12, 2014

RE: Construction Joint Requirements

On *SCDOT Bridge Drawings and Details* Drawings 700-04 and 700-05, the Construction Joint Detail note has been updated as follows:

Before making subsequent pour, wait either a minimum of 96 hours after placement of the initial pour or until the initial pour concrete has attained a minimum of 75% of the specified 28-day compressive strength as verified by testing extra cylinders.

Effective with the May 2015 Letting, ensure that all bridge plans include this updated note.

In addition, please update your copy of the *SCDOT Bridge Design Manual* by deleting the third sentence of the fifth paragraph of Section 17.3.5.1 and replacing it with the following sentence:

The final pours shall include the negative-moment regions and shall not be placed until either a minimum of 96 hours has elapsed after placement of the adjacent pour or the adjacent pour concrete has attained a minimum of 75% of the specified 28-day compressive strength.

*Original Signed by James W. Kendall, Jr.
on December 12, 2014*

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Bridge Maintenance Engineer
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Preconstruction Support Managers
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