



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: G. R. Perfetti, P. E.
State Bridge Design Engineer

DATE: March 11, 2011

SUBJECT: MISCELLANEOUS DESIGN MANUAL REVISIONS

Several miscellaneous revisions have been made to Chapter 6 of the Design Manual. The table below summarizes the content affected.

<u>Section</u>	<u>Explanation of Revision</u>
6.2.6.1 – Stream Crossings	Added verbiage on epoxy coating the exterior face of precast units with drainage openings in the rail and referenced Figs. 6-10 & 6-11.
6.2.2.8 – Closure Pours	Added verbiage providing guidance on dowels for closure pours wider than 2'-0" (600 mm).
6.4.1 & 6.5.1 – Cored Slabs & Box Beams (Design)	Clarified acceptable geometric conditions for using cored slab or box beam bridges.
6.4.2 & 6.5.2 – Top-Down Construction	Added verbiage to note that pile driving tonnage, in addition to pile design tonnage, may influence the size of the crane required for top-down construction.
Section 6.6.1 – Structural Steel	Removed requirement for HPS 50W (345W) in hybrid steel plate girders.
Section 6.6.6 – Fabrication and Construction Details	Removed the first sentence of the note on additional shop web and flange splices because it does not convey the intent of prohibiting splicing numerous short pieces when fabricating the girder.

GRP/GM

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