



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

MEMORANDUM TO: Project Engineers  
Project Design Engineers

FROM: B.C. Hanks, P. E.  
State Structures Engineer

DATE: June 15, 2023

SUBJECT: DESIGN MANUAL REVISIONS

The following sections in Chapter 6 and Chapter 9 of the Design Manual have been revised to provide clarification and/or guidance on current design practice:

Section	Summary of Revision(s)
6.2.2.8	Revised pouring sequence guidance for link slabs.
6.9	Added guidance on load rating bridges for the FAST Act's emergency vehicles.
9.2.4	Added guidance on load rating culverts for FAST Act's emergency vehicles.

The following Design Manual figures have been revised or added:

Figure	Summary
6-134	Added load factors for emergency vehicles and removed future rating criteria.
6-143	Renamed to Optional Pouring Sequence (Link Slabs)
6-145	Added figure detailing Pouring Sequence (Link Slabs)
6-146	Added figure listing NC legal loads and the FAST Act's emergency vehicle configurations for structures carrying Interstate traffic.
6-147	Added figure listing NC legal loads and the FAST Act's emergency vehicle configurations for structures carrying non-Interstate traffic.

The Design Manual, as well as the updated Design Manual Figures, are available on the Structures Management Unit website.

These revisions are effective with the October 2023 letting.

BCH/AAI/ldm

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