



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

DATE: September 30, 2020

TO: Project Engineers
Project Design Engineers

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

SUBJECT: DESIGN MANUAL REVISIONS

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

Section	Summary of Revision(s)
6.2.2.3	Added requirement to show the maximum theoretical buildup at mid-span for prestressed concrete girders when metal stay-in-place forms are detailed to assist contractors with ordering SIP form support angles.
6.3.2	Revised guidance for reporting camber and dead load deflection to match Construction Elevations bottom of slab points.
6.6.8	Revised guidance for reporting deflection and camber to match Construction Elevations bottom of slab points.
	Removed guidance to report camber due to dissipation resulting from heat curving of horizontally curved steel girders in accordance with the 2016 revisions to AASHTO LRFD.

The following Design Manual figure has been revised:

Figure	Summary of Revision(s)
6-73	Revised to show maximum theoretical buildup at midspan.

These revisions are effective immediately. The Design Manual and Design Manual Figure are available on the Structures Management Unit website.

BCH/THC/ldm

Cc: G. Muchane, P. E.
W. K. Fischer, P. E.
B. Tharrington, P. E.
T. M. Bruton, P. E.
V. G. Mabry
D. C. Muller, P. E., FHWA
Division Bridge Program Managers
Regional Bridge Construction Engineers
Area Construction Engineers