

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date May 1, 2011
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revision of the English Standards 4700, 4719, 4730, 4738, 4748, 4750, 4764, 4765,
4770, and 4790.
(CADD M0209)

Electronic copies are available in the following Office of Bridges and Structures
standard directory **W:\Highway\Bridge\Standards\Bridges** and on the Internet:

<http://www.iowadot.gov/bridge/standard.htm>

Beam Standards 4700, 4719, 4730, 4748, 4750, 4765, 4770, and 4790 were revised to
change the calculated design cambers which have been reduced from their theoretical
values by 15% to aid constructability.

Beam Standard 4738 (BTD85) was revised to add the bend to the second from the top
deflected strand at the end of the beam.

Beam Standard 4764 (BTB95) was revised to change the deflected strands that are bent
at the beam end. This revision shows the top (first) and third deflected strands bent. The
second deflected strand down from the top is left exposed with 5 inches of strand
projecting from the end of the beam. The fourth and fifth deflected strands are to be cut
flush with the face of the concrete at the beam end.

For any questions, please check with Stuart Nielsen or Thayne Sorenson.

GAN/ssn