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