

**IOWA DEPARTMENT OF TRANSPORTATION**

To Office Bridges and Structures Date February 1, 2008  
Attention All Employees Ref No. 521.1  
From Gary Novey  
Office Bridges and Structures  
Subject Issuance LRFD designed Bulb Tee B (BTB, 4750-4767) and Bulb Tee E (BTE, 4770-4790) Beam Standards and 1036BTBR, 1036BTBW, 1036BTER, and 1036BTEW steel intermediate diaphragms.  
(CADD M0053)

The following new standards have been issued and are available in the following Office of Bridges and Structures standard directory **W:\Highway\BridgeStandardsBridges** and on the Internet:

<http://www.dot.state.ia.us/bridge/standard.htm>

The new standards are as follows:

1. BTB 4750-4767

The BTB Beam Standards are available from 30'-0 to 105'-0 lengths measured from beam bearing to beam bearing. The BTB beam is 36 inches in height.

2. BTE 4770-4790

The BTE Beam Standards are available from 60'-0 to 155'-0 lengths measured from beam bearing to beam bearing. The BTE beam is 63 inches in height.

3. 1036-BTBR and 1036-BTBW

Steel Intermediate Diaphragm details for the BTB beams for use over roadways 1036-BTBR and waterways 1036-BTBW.

4. 1036-BTER and 1036-BTEW

Steel Intermediate Diaphragm details for the BTE beams for use over roadways 1036-BTER and waterways 1036-BTEW.

All beam lengths are available in increments of 5'-0 from shortest to longest beam lengths. These new beam standards may be used on any new prestressed beam bridge project that is being designed by the LRFD specification. If you have any questions on the new standards sheets, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj