

**IOWA DEPARTMENT OF TRANSPORTATION**

To Office Bridges and Structures Date July 1, 2008  
Attention All Employees Ref No. 521.1  
From Gary Novey  
Office Bridges and Structures  
Subject The release of superstructure and stub abutment standards for use with the prestressed bulb tee beam standards BTC (Bulb Tee C), BTD (Bulb Tee D) and BTE (Bulb Tee E). (CADD M0096)

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.dot.state.ia.us/bridge/standard.htm>

The following standards have been released for use

1. 2092-BTCD thru 2098-BTCD and 2092-BTE thru 2098-BTE abutment plan view details for 30'-0, 40'-0 and 44'-0 Roadways.

The details for stub abutment are broken down into two sections: BTC and BTD with the 6 ft wing extension and BTE with the 8 ft wing extension.

2. 2099-BTCD thru 2105-BTCD and 2099-BTE thru 2105-BTE abutment elevation view details for 30'-0, 40'-0 and 44'-0 Roadways.

The details for stub abutment are broken down into two sections: BTC and BTD with the 6 ft wing extension and BTE with the 8 ft wing extension.

3. 2106-BTCD thru 2109-BTCD and 2106-BTE thru 2109-BTE abutment bar lists for 30'-0, 40'-0 and 44'-0 Roadways.

The details for stub abutment are broken down into two sections: BTC and BTD with the 6 ft wing extension and BTE with the 8 ft wing extension.

4. 4542-BTCDE thru 4548-BTCDE superstructure plan and longitudinal details for 30'-0, 40'-0 and 44'-0 Roadways.

5. 4549-BTCDE thru 4552-BTCDE superstructure bar list details for 30'-0, 40'-0 and 44'-0 Roadways.

CADD M0096 (Superstructure & Stub Abutment Standards for use with Prestressed Bulb Tee Beam Standards BTC, BTD, and BTE)

6. 4556-BTC-4, 4556-BTD-4, 4556-BTE-4, 4556-BTE-5.

Cross section details for 30'-0 roadways are shown for each beam type along with additional beam lines for the longer spans and reduced beam spacing.

7. 4559-BTC-5, 4559-BTC-6, 4559-BTD-5, 4559-BTE-5 & 4559-BTE-6 cross section details for 40'-0 Roadways.

Cross section details for 40'-0 non-symmetrical roadways are shown for each beam depth with additional beam lines for the longer spans and reduced beam spacing.

8. 4560-BTC-6, 4560-BTD-6, 4560-BTE-6 cross section details for 44'-0 Roadways.

Cross section details for 44'-0 roadways are shown for each beam depth.

9. 4561-BTC-5, 4561-BTC-6, 4561-BTD-5, 4561-BTE-5 & 4561-BTE-6 cross section details for 40'-0 symmetrical roadways.

Cross section details for 40'-0 symmetrical roadways are shown for each beam depth with additional beam lines for the longer spans and reduced beam spacing.

These standards should be used on any new Bulb Tee Beam bridge project. If you have any questions on the new standard sheets, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj