

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date March 1, 2008
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revision of A, B, C, and D prestressed superstructure and stub abutment standards, 2092-2098, 2099-2105, 4542-4548, and 4549-4552
New Standard 2106-2109
(CADD M0098)

These standards shall be used with the new rectangular wing standard sheets and were revised to show the new rectangular abutment wing. See CADD M0095 released February 1, 2008 for additional information on the new wing standard details.

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

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

The following standards have been revised for use:

1. Standards 2092 to 2098

The standards were revised to show the new rectangular wing shape.

2. Standards 2099 to 2105

The standards were revised to remove the Reinforcing Bar List, Concrete Placement Quantities box, Bent Bar Details, Estimated Quantities box and Abutment Notes. These have been moved to the new standards 2106 thru 2109. The Abutment Excavation Detail has been removed and the details are shown on Standard Sheet 1007E.

3. New Standards 2106 to 2109

The new standard was created to show the Reinforcing Bar List, Concrete Placement Quantities Box, Bent Bar Details, Estimated Quantities box and Abutment Notes.

4. Standards 4542 to 4548

The standards were revised to show the new rectangular wing. The Beam Camber Data Detail, Slab Thickness at Beam (T), and Slab Thickness Details with notes were moved to the new standard sheet 1065. Detail "A" showing the prestressed strand details at the piers was also added.

5. Standards 4549 to 4552

The Concrete Placement Diagram note was revised to show two options based on amount of concrete (400 cubic yards more or less) place with the deck pour.

These standards should be used on any new bridge project with C or D beams and stub abutments. If you have any questions on the revised and new standard sheets, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj