

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges & Structures Date April 1, 2009
Attention All Bridge Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revision to Standards 1043s2 and 1044 for Culvert Extensions and the 1070 to 1076 Flume Standards.
(CADD M0137)

Electronic copies 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>

1. 1043s2 Standard

The portion of the GENERAL NOTES: for requesting existing plans has been updated to direct the Contractor to the Office of Contracts.

COPIES OF ORIGINAL DESIGN PLANS WILL BE MADE AVAILABLE TO THE CULVERT CONTRACTOR. CONTACT THE OFFICE OF CONTRACTS - HIGHWAY DIVISION -IOWA D.O.T. - AMES. DIMENSIONS SHOWN ON THESE PLANS ARE BASED ON DESIGN PLANS (ORIGINAL DESIGN NO. _____).

2. 1044 Standard

- a. The break line shape was changed at the corners (wingwalls) for skewed culverts to facilitate the placement of the reinforcing bars along the connection joint of the existing and new concrete.
- b. The existing parapet was added to the "Part Longitudinal Section". The parapet is normally not being removed unless it is 6 inches or less below the final grade.

3. The 1070, 1071, 1072, 1073, 1074, 1075, and 1076 Flume Standards were revised.

The lap note at the bottom of the Bar List for bars over 40'-0 long was changed to a 2'-8 lap for the 6s bars and 2'-2 lap for all no. 4 and no. 5 bars.

These corrected standards should be used on all new projects requiring these detail sheets. If you have any questions on the issued standards, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj