

**IOWA DEPARTMENT OF TRANSPORTATION**

To Office Bridges and Structures Date April 1, 2013  
Attention All Employees Ref No. 521.1  
From Gary Novey  
Office Bridges and Structures  
Subject Revision of LRFD Culvert Standards.  
(CADD M0304)

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>

The revision of the 1043s1 Culvert Extension Standard -

- The Construction Specification year has been updated to 2012.
- The Concrete Strength has been changed to 4.0 ksi.

The revision of the 1044 Culvert Extension Standard -

- Removed the labels of the bar sizes for the b1, e1, & f1 bars due to size variances shown in LRFD RCB-12 Culvert Standards.
- The SECTION THRU BARREL placement of the b1 bars has been changed to 6 inch spacing's and the b1 bars are shown near the junction of the walls and the barrel floor and a 3 inch dimension was added to locate the b1 bar above the barrel floor.
- The PART LONGITUDINAL SECTION location of the b1 bars has been changed to 6 inch spacing's and shown near the junction of the walls and the barrel floor.
- The alternate PART LONGITUDINAL SECTION detail outside of the border outline has been changed to the 6 inch spacing's for the b1 bars.

For any questions, please check with Stuart Nielsen or Thayne Sorenson.  
GAN/ssn