

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date April 1, 2012
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Release of the LRFD Signed Single Culvert Standards.
(CADD M0252)

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 released standards are located on the Bridge Web site.

- The single culvert barrels are designed for HL-93 live loads according to AASHTO LRFD Design Specifications.
- These new standards included parallel wing headwalls (PWH-12) standards with sizes from 3'x3' to 12'x12'. The spans are 3', 4', 5', 6', 8', 10', & 12'. The heights are 3', 4', 5', 6', 7', 8', 9', 10', 11', & 12'.
- The new culvert barrels are available in sizes to accommodate these parallel wing headwalls with fill heights ranging from 0' to 55' divided into groups of fill ranges shown on the standard sheets.
- Barrel Bell Joints are available to accommodate the single culvert barrel standards.
- The flared wing type headwalls with Load Factor Design are still available for single barrel culverts.

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

GAN/ssn