

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date January 1, 2013
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Release of the English LRFD Precast Box Culvert Standards.
(CADD M0300)

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>

This is the release of the LRFD Precast Box Culvert Standards.

- The Signed Standards (PRCB-13) are for typical culvert barrel details and type 1 and type 3 end section details. Note: These culvert barrel standards may be used in lieu of:
 - ASTM C1577 Design
 - Boxcar Version 3.1 Design
- The Working Standards are to be included in a set of project plans. The working standards include the following details:
 - Extending existing cast-in-place culvert details.
 - Extending existing precast culvert details.
 - New precast culvert notes and details.
 - Details for adding a cast-in-place flume chute on the outlet end of the precast culvert.
 - Details for adding baffles to the precast end sections.
 - Details for adding weirs to the precast end sections.
 - Shop drawing submittal sheet for the barrel and end section design.

Bridge Design Manual updates concerning the use and development of these standards is currently scheduled for a February 1, 2013 release.

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

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