

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 Flume Standards.
(CADD M0256)

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.

- Standard RCF-01-12 –
 - Shows the flume notes.
 - Shows a table of flume dimensions.
 - Shows a table for concrete quantities for both 3:1 and 4:1 sloped flumes for the L3 sections and the cubic yards per foot for the L2 sections.
 - Shows a table for the reinforcing bar sizes and spacing's for the flume sizes.
- Standard RCF-02-12 –
 - Shows a cross section detail for each span and each height.
 - Shows a longitudinal section with dimension notations. Standard RCF-01-12 shows the notations in the table of flume dimensions for each flume size.
- Standard FBJ-01-12 shows the flume bell joints for the 3'x 3' thru 5'x 6' flumes.
- Standard FBJ-02-12 shows the flume bell joints for the 6'x 3' thru 6'x 8' flumes.
- Standard FBJ-03-12 shows the flume bell joints for the 8'x 4' thru 8'x 10' flumes.
- Standard FBJ-04-12 shows the flume bell joints for the 10'x 5' thru 10'x 12' flumes.
- Standard FBJ-05-12 shows the flume bell joints for the 12'x 4' thru 12'x 12' flumes.
- Standard RCFB-01-12 shows the flume basin details for the 3'x 3' thru 5'x 8' flume basins.
- Standard RCFB-02-12 shows the flume basin details for the 6'x 3' thru 6'x 8' flume basins.
- Standard RCFB-03-12 shows the flume basin details for the 8'x 4' thru 8'x 10' flume basins.
- Standards RCFB-04-12 & RCFB-05-12 shows the flume basin details for the 10'x 5' thru 10'x 12' flume basins.

- Standards RCFB-06-12 & RCFB-07-12 shows the flume basin details for the 12'x 4' thru 12'x 12' flume basins.

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

GAN/ssn