

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date October 1, 2012
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revision of the English Culvert Standards RCB G1-12, TWRCB G1-12, and TRRCB G1-12.
(CADD M0295)

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 English Culvert Standards RCB G1-12, TWRCB G1-12, and TRRCB G1-12 – General note #19 has been revised. The reference to the DESIGN MANUAL for instructions and details when raising the parapet had been changed to delete “and details”. The revised note reads as follows:

IN THE EVENT THE SLAB THICKNESS AT THE BARREL END SECTION EXCEEDS 20 INCHES, THE CULVERT PARAPET SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE TOP OF THE CULVERT SLAB. REFER TO THE CULVERT DESIGN MANUAL FOR INSTRUCTIONS. THESE DETAILS ARE TO BE INCLUDED IN THE DESIGN PLANS TO ADDRESS THESE SITUATIONS.

When the parapet height needs to be extended provide in the plans a SECTION THRU PARAPET, a BENT BAR SHAPE, BAR LIST, and CONCRETE QUANTITY adjustment. These details will be sufficient in lieu of modifying standard sheets. The Standard Headwall Quantities shown on the ESTIMATE SHEET will reflect the deletion of the standard parapet bar (4i1) weight and the addition of the new parapet bar weight and the additional parapet height concrete.

The **brgFinal.cel** cell library has a detail (ac=**PARAPET**) with these details. The cell detail is not complete and the bar list and concrete adjustment quantity needs to be completed.

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

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