

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date October 1, 2014
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Release of the English RS40-14 Standards listed below.
(CADD M0400)

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>

Note: The release of the new RS40-14 Standards is mainly due to the replacement of the curb reinforcing bars that connect the barrier rails to the bridge deck. These bars were changed from epoxy coated reinforcing steel to stainless steel reinforcing steel. All the bars both epoxy coated and stainless steel bars shall be deformed reinforcing steel. The stainless steel reinforcing shall be Grade 60 and meeting the requirements of Materials I.M.452.

The RS40-14 standards were developed to be used with the Summary Quantities Sheet to help clarify what specific items from the standards are required.

Due to this change from epoxy coated reinforcing steel to stainless steel reinforcing steel, the RS40-10 standards are still current and these new standards are being issued as RS40-14 standards to accommodate the stainless steel bars. The specific standard sheets not listed below retain the same standard sheet numbers as the RS40-10 standards and have just been renamed by the year (RS40-??-14) to accommodate the new standards listed below.

Note there are several standards not listed below to which additional notes have been added that require various items to be included on the Summary Quantities Sheet in the Plan.

The RS40-14 standards which are affected by the change to stainless steel reinforcing bars and other changes to accommodate the Summary Quantities Sheet are RS40-002-14, RS40-031-14 thru RS40-040-14, RS40-071-14 thru RS40-080-14, RS40-084-14 thru RS40-090-14, RS40-093-14 thru RS40-095-14.

The RS40-171-14 and RS40-172-14 Standards were changed to require the wing armoring bid as square yards and listed with the estimated quantities instead of being incidental to the cost of the structural concrete as shown on the RS40-171-10 and RS40-172-10 Standards for the Rolled Steel Bridges.

Note: Beginning with the January 2015 letting, all barrier rail to bridge deck/wing reinforcement for Interstate and Primary Bridges shall be stainless steel.

For any questions, please check with Stuart Nielsen.

GAN/ssn