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
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