

**IOWA DEPARTMENT OF TRANSPORTATION**

To Office Bridges and Structures Date September 1, 2014  
Attention All Employees Ref No. 521.1  
From Gary Novey  
Office Bridges and Structures  
Subject Release of the English H40-14 Standards listed below.  
(CADD M0377)

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 H40-14 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 H40-14 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 H40-06 standards are still current and new standards are being issued as H40-14 standards to accommodate the stainless steel bars. The specific standard sheets not listed below retain the same standard sheet numbers as the H40-06 standards and have just been renamed by the year (H40-??-14) to accommodate the new standards listed below.

There are several standards not listed below which have additional notes added that require the concrete, reinforcing steel, structural steel, number and type of piling to be included on the Summary Quantities Sheet in the Plan.

The H40-14 standards which are affected by the change to stainless steel reinforcing bars are H40-01A-14, H40-07-14, H40-08-14, H40-09-14, H40-13-14, H40-14-14, H40-15-14, H40-20-14, H40-21-14, H40-22-14, H40-27-14, H40-28-14, H40-29-14 and H40-39-14 thru H40-43A-14.

The standards for the wing slope armoring details have been updated from the H40-06 standards and are new standards H40-90-14 and H40-91-14 due to the Macadam Stone area which has modified limits for placement and is shown on these sheets.

The standards for abutment backfill details have been updated. The table for the TECHNICAL DATA INFORMATION – GEOTEXTILE FABRIC has been removed and is shown in the Standard Specifications (Article 4196.01, B, 6 – Table 4196.01-6).

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 or Thayne Sorenson.

GAN/ssn