

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 Repair Standards 1038, 1040, & 1041.
Release of English Repair Standards 1038R & 1040R
(CADD M0296)

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>

- Standard 1041 has been voided.
- Standards 1038 and 1040 have been revised.
 1. 1038 –
 - a. The Construction Specification Series date changed to 2012.
 - b. The bid items shown for information have been removed.
 2. 1040 –
 - a. Two repair details from Standard 1041 were added to this sheet.
 - b. A repair detail was added to this sheet when the existing joint is not repaired. In this detail there is a 75 foot tapered length where the depth of removal slopes from 1/4 inch to 1-3/4 inches deep at the existing joint.
 - c. Class “A” repair at the joint was added to the integral abutment repair details.
 - d. A note with a border around it was added to the sheet describing the Class “A” repair at the joints.
 - e. A.C. runout tapers at the approach pavements were changed to H.M.A. runout tapers.
 - f. The word BRIDGE was removed from the out to out dimension for overlay length. The bridge surface is referred to as DECK.
- Standards 1038R and 1040R are new released standards for Re-Overlay projects.
 1. 1038R – The REPAIR AND RE-OVERLAY DEFINITION, the repair detail at drains, and DESIGN STRESSES and SPECIFICATIONS are on this standard.
 2. 1040R – LONGITUDINAL SECTIONS ALONG ROADWAY details are on this standard. Re-overlaying a bridge deck does not involve raising the deck surface and using raise plates at joints are no longer used by the Iowa D.O.T. for joint repairs. Existing sliding plates in need of repair are typically replaced with strip seal joints.

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

GAN/ssn