

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date November 15, 2006
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject MM No. 158 (Anchor bolt placement)

In discussion with the field, it was brought to my attention that some contractors had been using reinforcing bars welded to the anchor bolt assemblies during placement of footing concrete to maintain proper alignment of the bolts. This practice will not be allowed because of concerns that the welding will alter the material properties of the anchor bolts possibly causing brittle failures. Therefore the following note shall be placed on any plan detail sheet where preset anchor bolts are used such as bases for light poles, cantilever sign structures, overhead sign trusses and bridge bearings if the preset option is used.

E/M 924

“WELDING OF ANCHOR BOLTS SHALL NOT BE ALLOWED. THE CONTRACTOR SHALL OBTAIN A TEMPLATE FROM THE MANUFACTURER / FABRICATOR FOR PROPER PLACEMENT OF THE ANCHOR BOLTS.”

In addition, this update shall be made to any plans that have not been turned in.

The office’s standard details are in the process of being updated with this note and will be sent out at a later date. If you have any questions, please check with your section leader or myself.

GAN/dgb