

IOWA DEPARTMENT OF TRANSPORTATION

To Office: Bridges and Structures

Date: June 18, 2002

Attention: All Employees

Ref. No.: 521.2

From: Gary Novey

Office: Bridges and Structures

Subject: MM No. 64 (Removal of Corrosion Inhibitor Option on Columns)

In the past, the office has allowed the option of substituting non-coated bars with a corrosion inhibitor admixture for the structural concrete for situations where the column vertical reinforcing, hoops, and footing to column reinforcing were epoxy coated. See bridge substructure notes E713 and M713. However, the Materials Office has expressed concern about the interaction of the corrosion inhibitor with other additives and the aggregate in concrete mixes. In addition, there have been some questions about the overall effectiveness of inhibitors in preventing corrosion. Therefore, until more research is available this option shall no longer be allowed on the plans.

GAN/DGB/jw