

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date August 10, 2004
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Method's Memo No. MM No. 69 (Epoxy Coated Spirals)

It has been brought to our attention, that companies that provide epoxy coating for reinforcing steel can epoxy coat spiral reinforcement and ties in any size. Therefore, in situations where the column reinforcement is required to be epoxy coated (Article 6.6.4.1.2.2, of the Bridge Design Manual), the plans shall show epoxy-coated spirals along with the option of using epoxy coated tied reinforcing [minimum size no. 4 (15)]. Also, the minimum lap shall be increased by 15 percent to 30 inches (1.15*26 in.) from the current minimum for non-coated reinforcing steel.

The lap length for the epoxy-coated spirals shall be 1 ½ turns or a minimum of 30 inches (760 mm).

The lap length for epoxy-coated ties shall be a minimum of 30 inches (760 mm).

GAN/DGB/bj