

IOWA DEPARTMENT OF TRANSPORTATION

To Office: Bridges and Structures

Date: July 11, 2001

Attention: All Employees

Ref. No.: 521.1

From: Gary Novey

Office: Bridges and Structures

Subject: MM No. 33 (Wing Extension for C Beams)

For prestressed beam bridges that use the C-beam standard the following policy change has been made. When using the C-beam, the abutment standards for the D-beam with the 5 ft wing extension should be used.

There have been some problems in the field with slope stability around the abutment wings on some prestressed bridges. This has been more severe for our bridges that use the C beam standards because of steeper than 2:1 slope that occurs when using just the 7 ft. wing. Using the additional 5-ft wing extension will allow for a flatter slope around the wing.

This change should be incorporated into all bridges let after October 1st, 2001.

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