

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures

Date August 1, 2008

Attention All Employees

Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject Method's Memo No. 205 (Update CADD Note E/M50D)

The following CADD note has been added to the library. This note should be used on bridge projects where the superstructure and substructure are designed by the 2007 AASHTO LRFD bridge design specifications.

E50D: Specifications and design stresses, LRFD superstructure and LRFD substructure bridge.

SPECIFICATIONS:

DESIGN: AASHTO LRFD 4th Ed, SERIES OF 2007.

CONSTRUCTION: IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2001, PLUS APPLICABLE GENERAL SUPPLEMENTAL SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.

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DESIGN STRESSES:

DESIGN STRESSES FOR THE FOLLOWING MATERIALS ARE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th Ed, SERIES OF 2007.

REINFORCING STEEL IN ACCORDANCE WITH LRFD AASHTO SECTION 5, GRADE 60.

CONCRETE IN ACCORDANCE WITH LRFD AASHTO SECTION 5, $f'_c = 3,500$ PSI, EXCEPT BRIDGE DECK AND PRESTRESSED BEAM CONCRETE AS NOTED.

PRESTRESSED CONCRETE BEAMS, SEE DESIGN SHEET?

BRIDGE DECK CONCRETE $f'_c = ?$

STRUCTURAL STEEL IN ACCORDANCE WITH LRFD AASHTO SECTION 6.
ASTM A709 GRADE 36, GRADE 50, AND GRADE 50W (AASHTO M270 GRADE
36, GRADE 50, AND GRADE 50W).

This LRFD bridge design note is to be used on the front estimate sheet where the
superstructure and substructure were designed by the AASHTO LRFD 4th Ed, Series 2007
[OBS MM No. 205].

If you have any questions, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj