

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Modify Specification SS4600000.
Section/File number

New Section _____.
Section number

Subject: Structural Steel and Miscellaneous Metals

Origination date: November 6, 2006

Originator: Robert Robertson

Office/Phone: Ass't State Structures Design Engineer/(850) 414-4267

Email address/ Robert.robertson2@dot.state.fl.us

Userid:

Problem statement: The edge distance shown for bolting is out dated (old LFD AASHTO) and conflicts with the AASHTO LRFD code. The change is to replicate the requirements of the LRFD code.

Information source: Issue was brought to our attention by Jeff Ames, Tampa Steel, and verified by John Yadloski of HDR, the original author of the spec.

Background data:

Recommended

Usage Note: All projects utilizing the New 460.

**Estimated fiscal
impact, if**

implemented: None expected.

Implementation of these changes, if and when approved, will begin with the July 2007 letting.



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.
SECRETARY

MEMORANDUM

DATE: December 13, 2006

TO: Specification Review Distribution List

FROM: Duane F. Brautigam, P.E., State Specifications Engineer

SUBJECT: Proposed Specifications Change: 4600403-Structural Steel and Miscellaneous Metals

In accordance with Specification Development Procedures, we are sending you a copy of a proposed new specification change for Structural Steel and Miscellaneous Metals.

This change was proposed by Robert Robertson of the State Structures Office to update edge distance requirements for bolt holes.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DB or duane.brautigam@dot.state.fl.us. Comments received after January 10, 2007 may not be considered. Your input is encouraged.

DFB/sh

Attachment

COMMENTS:

Submitted by:

Phone #:

STRUCTURAL STEEL AND MICELLANEOUS METALS.
(REV 12-6-06)

SUBARTICLE 460-4.3.4.9.6 (of the Supplemental Specifications) is deleted and the following substituted:

460-4.3.4.9.6 Edge Distance: Provide minimum as-fabricated distance from the center of a bolt hole to an edge as given in Table 460-4, Edge Distances.

Table 460-4, Edge Distances			
Fastener Size, inch	Sheared or Thermally Cut Edge, Inch	Rolled <i>Edges of Plates or Shapes or Gas Cut Edges</i> or Planed Edges, except Beams and Channels, Inch	Beam and Channel Edges, Inch
5/8	1 1/8	1 7/8	7/8
3/4	1 1/4	1 1/8	1
7/8	1 1/2	1 1/8 1/4	1 1/8
1	1 3/4	1 1/4 1/2	1 1/4

SUBARTICLE 460-9.2 (of the Supplemental Specifications) is deleted and the following is substituted:

460-9.2 Payment Items: Payment will be made under:

- Item No. 460- 1- Structural Steel – Rehab – per pound.
- Item No. 460- 2- Structural Steel - New/Widening ~~– per pound~~ *lump sum*.
- Item No. 460- 6- Ladders & Platforms – lump sum.
- Item No. 460- 13- Structural Steel Rehab – Sandwich Plate System - per square yard.
- Item No. 460- 70- Aluminum Bullet Railings – per foot.
- Item No. 460- 71- Metal Traffic Railing – per foot.
- Item No. 460- 81- Rivet or High-Strength Bolt Replacement – each.
- Item No. 460- 95- Structural Steel Repair – per pound.
- Item No. 460- 98- Pipe Hanger – each.
- Item No. 460-112- Anchor Bolt Replacement – each.