



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

January 8, 2008

Monica Gourdine
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 962
Proposed Specification: 9620804 Structural Steel and Miscellaneous Metal Items (other than Aluminum) – Structural Tubing

Dear Ms. Gourdine:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

This change was proposed by Garry Roufa of the State Office of Construction to allow the use of ASTM A 500 Grade C and to provide reference to ASTM A 709 for Charpy V-Notch testing and to provide the minimum energy test requirements.

Please review and transmit your comments, if any, within four weeks. Comments should be sent via Email to ST986RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4110.

Sincerely,

Signature on File

Rudy Powell, Jr., P.E.
State Specifications Engineer

RP/ft

Attachment

cc: Gregory Jones, Chief Civil Litigation
Florida Transportation Builders' Assoc.
State Construction Engineer

STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS (OTHER THAN ALUMINUM) – STRUCTURAL TUBING.**(REV 4-24-08 ~~11-6-08~~) (FA 7-24-08) (1-09)**

SUBARTICLE 962-8.4 (of the Supplemental Specification) is deleted and the following substituted:

962-8.4 Structural Tubing:

962-8.4.1 Materials: Provide steel structural tubing as one of the following:

Cold-formed, welded or seamless conforming to the requirements of ASTM A 500, Grade B *or* C, coated in accordance with the Contract Documents;

Hot-formed, welded or seamless tubing conforming to the requirements of ASTM A 501, coated in accordance with the Contract Documents;

ASTM A 847 when weathering characteristics are required; or

As indicated elsewhere in the Contract Documents.

962-8.4.2 Testing: ~~Meet the requirements of 962-2.2.~~ *Structural steel tubing subjected to tensile stresses used in main load carrying members or components (as defined in Section 460) shall meet the requirements of ASTM A 709 Table 9 (Non-Fracture Critical Members) or Table 10 (Fracture Critical Members) for Zone 1. Minimum Average energy shall be: 15 ft-lbf at 70°F (Table 9); or 25 ft-lbf at 70°F (Table 10).*

STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS (OTHER THAN ALUMINUM) – STRUCTURAL TUBING.

(REV 11-6-08)

SUBARTICLE 962-8.4 (of the Supplemental Specification) is deleted and the following substituted:

962-8.4 Structural Tubing:

962-8.4.1 Materials: Provide steel structural tubing as one of the following:

Cold-formed, welded or seamless conforming to the requirements of ASTM A 500, Grade B or C, coated in accordance with the Contract Documents;

Hot-formed, welded or seamless tubing conforming to the requirements of ASTM A 501, coated in accordance with the Contract Documents;

ASTM A 847 when weathering characteristics are required; or

As indicated elsewhere in the Contract Documents.

962-8.4.2 Testing: Structural steel tubing subjected to tensile stresses used in main load carrying members or components (as defined in Section 460) shall meet the requirements of ASTM A 709 Table 9 (Non-Fracture Critical Members) or Table 10 (Fracture Critical Members) for Zone 1. Minimum Average energy shall be: 15 ft-lbf at 70°F (Table 9); or 25 ft-lbf at 70°F (Table 10).