



Florida Department of Transportation

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GOVERNOR

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JARED W. PERDUE, P.E.
SECRETARY

August 14, 2024

Cathy Kendall
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: 962
Proposed Specification: **9620900 Structural Steel and Miscellaneous Metal Items
(Other than Aluminum)**

Dear Ms. Kendall:

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

The changes are proposed by Andre Pavlov to provide more accurate FDOT requirements for miscellaneous structures.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.
State Specifications Engineer

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS (OTHER THAN ALUMINUM)
(REV 6-26-24)

ARTICLE 961-9 is deleted and the following substituted:

962-9 Miscellaneous Structures, Overhead Signs.

Provide overhead sign materials in accordance with this section Table 962-2, and Table 962-10. When galvanizing is specified, meet the requirements of 962-11.1. Produce welds using electrodes selected from the filler metals for matching strength tables E7018 electrode, in accordance with AWS D1.1 Structural ~~w~~Welding Code.

Table 962-10 Requirements for <u>Miscellaneous Structures, Overhead Signs</u>					
Product	Standard	Grade	Type/ Style	Reportable Properties	Supplementary Requirements
<u>Overhead Sign Upright Pipe</u>	API 5L	<u>X42R,</u> <u>X42N,</u> <u>X42M,</u> <u>X46N,</u> <u>X46M,</u> <u>X52N,</u> <u>X52M,</u> <u>X56N,</u> <u>X56M,</u> <u>X60N,</u> <u>X60M,</u> <u>X65M,</u> <u>X70M</u>	PSL2	Killed, Fine Grain, Tensile, CVN Test	<u>Processing Methods R & Q not allowed</u> <u>N/A</u>
	A500	B, C	Round Structural	Composition, Yield, Tensile, Elongation	UT Seam Weld, (per API 5L) CVN Test per 962-2
<u>Overhead Sign Chords</u>	<u>API 5L</u>	<u>X42N,</u> <u>X42M,</u> <u>X52N,</u> <u>X52M</u>	<u>PSL2</u>	<u>Killed, Fine Grain, Tensile, CVN Test</u>	<u>Processing Methods R & Q not allowed</u>
	A500	B, C	Round Structural	Composition, Yield, Tensile, Elongation	<u>None</u> <u>N/A</u>
Plate, Angles & Handhole Frame	A709	<u>36, 50</u>	Plates & Shapes	Composition, Yield, Tensile, Elongation	<u>None</u> <u>N/A</u>
	A36	36			<u>None</u> <u>Yield > 50ksi</u>
	A1011	50, 55, 60, 65	Any	Designation, Grade	<u>None</u> <u>N/A</u>

Table 962-10 Requirements for <u>Miscellaneous Structures</u> <u>Overhead Signs</u>					
Product	Standard	Grade	Type/ Style	Reportable Properties	Supplementary Requirements
<u>Tapered Tube</u> <u>Poles</u>	A572	50, 55, 60, 65	1, 2, 3, 5	Composition, Tensile, Type, Killed	<u>None</u> <u>N/A</u>
	A595	A, B	Any	Composition, Tensile, Type, Killed	<u>None</u> <u>N/A</u>

STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS (OTHER THAN ALUMINUM)
(REV 6-26-24)

ARTICLE 961-9 is deleted and the following substituted:

962-9 Miscellaneous Structures.

Provide overhead sign materials in accordance with this section Table 962-2, and Table 962-10. When galvanizing is specified, meet the requirements of 962-11.1. Produce welds using electrodes selected from the filler metals for matching strength tables, in accordance with AWS D1.1 Structural Welding Code.

Table 962-10 Requirements for Miscellaneous Structures					
Product	Standard	Grade	Type/ Style	Reportable Properties	Supplementary Requirements
Overhead Sign Upright	API 5L	X42N, X42M, X52N, X52M	PSL2	Killed, Fine Grain, Tensile, CVN Test	Processing Methods R & Q not allowed
	A500	B, C	Round Structural	Composition, Yield, Tensile, Elongation	UT Seam Weld, (per API 5L) CVN Test per 962-2
Overhead Sign Chord	API 5L	X42N, X42M, X52N, X52M	PSL2	Killed, Fine Grain, Tensile, CVN Test	Processing Methods R & Q not allowed
	A500	B, C	Round Structural	Composition, Yield, Tensile, Elongation	None
Plate, Angle & Handhole Frame	A709	36, 50	Plates & Shapes	Composition, Yield, Tensile, Elongation	None
	A36	36			None
Tapered Tube	A1011	50, 55, 60, 65	Any	Designation, Grade	None
	A572	50, 55, 60, 65	1, 2, 3, 5	Composition, Tensile, Type, Killed	None
	A595	A, B	Any	Composition, Tensile, Type, Killed	None