

# Origination Form

## Specifications

<b>Name:</b>	Andre Pavlov	<b>Specification Number:</b>	962-9
<b>Email:</b>	andre.pavlov@dot.state.fl.us	<b>Associated Specs:</b>	None
<b>Date:</b>	2024-06-24T20:28:39Z	<b>Verified:</b>	VERIFIED

### Summary:

Provide more accurate FDOT requirements for miscellaneous structures.

### Justification:

Some of the existing language was not correct.

### Do the changes affect other types of specifications?

Neither

### List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

This change clarifies FDOT material requirements.

**What financial impact does the change have; project costs, pay item structure, or consultant fees?**

None.

**What impact does the change have on production or construction schedules?**

None.

**How does this change improve efficiency or quality?**

This change may result in less confusion from the fabricators regarding FDOT requirements.

**Which FDOT offices does the change impact?**

The Materials Office.

**What is the impact to districts with this change?**

None.

**Does the change shift risk and to who?**

No shift in risk.

**Provide summary and resolution of any outstanding comments from the districts or industry.**

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtm>

**What is the communication plan?**

Through the established specification revision process (e.g., Internal and Industry Review)

**What is the schedule for implementation?**

The Standard Specifications eBook and Workbook are effective July 1st every year.

**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</u> <del>Overhead Signs</del>					
Product	Standard	Grade	Type/ Style	Reportable Properties	Supplementary Requirements
<u>Overhead Sign Upright Pipe</u>	API 5L	<del>X42R, X42N, X42M, X46N, X46M, X52N, X52M, X56N, X56M, X60N, X60M, X65M, X70M</del>	PSL2	Killed, Fine Grain, Tensile, CVN Test	<u>Processing Methods R &amp; Q not allowed</u> <del>N/A</del>
	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, X42M, X52N, X52M</u>	<u>PSL2</u>	<u>Killed, Fine Grain, Tensile, CVN Test</u>	<u>Processing Methods R &amp; Q not allowed</u>
	A500	B, C	Round Structural	Composition, Yield, Tensile, Elongation	<u>None</u> <del>N/A</del>
Plate, Angles & Handhole Frame	A709	<u>36, 50</u>	Plates & Shapes	Composition, Yield, Tensile, Elongation	<u>None</u> <del>N/A</del>
	A36	36			<u>None</u> <del>Yield &gt; 50ksi</del>
<u>Tapered Tube Poles</u>	A1011	50, 55, 60, 65	Any	Designation, Grade	<u>None</u> <del>N/A</del>
	A572	50, 55, 60, 65	1, 2, 3, 5	Composition, Tensile,	<u>None</u> <del>N/A</del>

Table 962-10 Requirements for <u>Miscellaneous Structures</u> <u>Overhead Signs</u>					
Product	Standard	Grade	Type/ Style	Reportable Properties	Supplementary Requirements
				Type, Killed	
	A595	A, B	Any	Composition, Tensile, Type, Killed	<u>None</u> <u>N/A</u>