

**ORIGINATION FORM**  
**Proposed Revisions to the Specifications**  
(Please provide all information - incomplete forms will be returned)

Date:

Office:

Originator:

Specification Section:

Telephone:

Article/Subarticle:

email:

Associated Section(s) Revisions:

Will the proposed revision require changes to the following Publications:

Publication	Yes	No	Office Staff Contacted	Date
Standard Plans Index				
Traffic Engineering Manual				
FDOT Design Manual				
Construction Project Administration Manual				
Basis of Estimate/Pay Items				
Structures Design Guidelines				
Approved Product List				
Materials Manual				
Maintenance Specs				

Will this revision necessitate any of the following:

Design Bulletin

Construction (DCE Memo)

Estimates Bulletin

Materials Bulletin

Have all references to internal and external publications in this Section been verified for accuracy?

Synopsis: Summarize the changes:

Justification: Why does the existing language need to be changed?

Do the changes affect either of the following types of specifications (Hover over type to go to site.):

[Special Provisions](#)

[Developmental Specifications](#)

List Specifications Affected: (ex. SP3270301, Dev330TL, Dev334TL etc.)

**Contact the State Specifications Office for assistance completing this form.**

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1. Are changes in line with promoting and making meaningful progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?
2. What financial impact does the change have; project costs, pay item structure, or consultant fees?
3. What impacts does the change have on production or construction schedules?
4. How does this change improve efficiency or quality?
5. Which FDOT offices does the change impact?
6. What is the impact to districts with this change?
7. Does the change shift risk and to who?
8. Provide summary and resolution of any outstanding comments from the districts or industry.
9. What is the communication plan?
10. What is the schedule for implementation?

**TIMBER TREATMENT (INCLUDING TREATING MATERIALS)**  
**(REV 5-5-23)**

SECTION 955 is deleted and the following substituted:

**955-1 General.**

The work specified in this Section is the treating of structural timber, timber piling and timber posts, bracing and railing. The method of treatment and determination of assay results for all such timber materials shall be in accordance with American Wood Protection Association (AWPA) Use Category System (UCS) - U1, with the exceptions and additions as specified herein. ~~Use approved producers listed on the Department's Production Facility Listing for timber components located in <https://mac.fdot.gov/smreports>. Producers seeking inclusion shall meet the requirements of Section 105.~~ All timber products manufactured for incorporation into the work shall be produced by a producer/treater approved through one of the following third-party audit programs:

1. Southern Pine Inspection Bureau (SPIB)

2. Timber Products (TPI)

**955-2 Preservative.**

**955-2.1 Guardrail Post, Fence Post, Bracing and Railing on Pedestrian Bridges, Buildings, and Rest Areas in Above Ground, Ground Contact, Fresh Water Immersion Applications (Pedestrian Use):** Provide guardrail post, fence post, bracing and railing in accordance with Table 955-1. Approved producers should provide a certification showing the timber species, treatment, and assay results with every shipment.

Table 955-1				
Product	Type / Species	Category	Treatment	Assay Results
Guardrail Posts, Fence Post, Bracing, & Railing	Southern Yellow Pine	UC4A	Micronized Copper Azole (MCA)	$\geq 2.4 \text{ kg/m}^3$ or $\geq 0.15 \text{ pcf}$
			Copper Azole Type C (CA-C)	
			Copper Azole Type B (CA-B)	$\geq 3.3 \text{ kg/m}^3$ or $\geq 0.21 \text{ pcf}$
			Alkaline Copper Quat Type A, (ACQ-A)	$\geq 6.4 \text{ kg/m}^3$ or $\geq 0.40 \text{ pcf}$
			Alkaline Copper Quat Type B, (ACQ-B)	
			Alkaline Copper Quat Type C, (ACQ-C)	
			Alkaline Copper Quat Type D, (ACQ-D)	

**955-2.2 Guardrail Posts, Fence Posts, Bracing and Sheet Piling in Above Ground, Ground Contact or Fresh Water Immersion Applications (Non-Pedestrian Use):** Provide guardrail post, fence post, bracing and sheet piling in accordance with Table 955-2. Approved producers should provide a certification showing the timber species, treatment, and assay results with every shipment.

Table 955-2				
Product	Type / Species	Category	Treatment	Assay Results
Guardrail Posts, Fence Post, Bracing	Southern Yellow Pine	UC4A	MCA	$\geq 2.4 \text{ kg/m}^3$ or $\geq 0.15 \text{ pcf}$
			CA-C	
			CA-B	$\geq 3.3 \text{ kg/m}^3$ or $\geq 0.21 \text{ pcf}$
			Ammoniacal Copper Zinc Arsenate (ACZA)	$\geq 6.4 \text{ kg/m}^3$ or $\geq 0.40 \text{ pcf}$
			Chromated Copper Arsenate Type C (CCA)	
ACQ-A ACQ-B ACQ-C ACQ-D				
Piling	Cypress		None	N/A
	Southern Yellow Pine	UC4B UC4C	ACZA	$\geq 9.6 \text{ kg/m}^3$ or $\geq 0.60 \text{ pcf}$
			CCA	$\geq 9.6 \text{ kg/m}^3$ or $\geq 0.60 \text{ pcf}$
	Pacific Coast Douglas Fir		ACZA	$\geq 9.6 \text{ kg/m}^3$ or $\geq 0.60 \text{ pcf}$

**955-2.3 Guardrail Post, Fence Post, Bracing and Sheet Piling for Salt and Brackish Water Applications (Non-Pedestrian):** Provide guardrail post, fence post, bracing and sheet piling in accordance with this section and Table 955-3. Approved producers should provide a certification showing the timber species, treatment, and assay results with every shipment.

Table 955-3				
Product	Type / Species	Category	Treatment	Assay Results
Guardrail Posts, Fence Post, Bracing	Southern Yellow Pine	UC4C	CCA	$\geq 9.6 \text{ kg/m}^3$ or $\geq 0.60 \text{ pcf}$
Piling	Cypress	UC5C	None	N/A
	Southern Yellow Pine		CCA	Zone 1 (Outer): $\geq 40 \text{ kg/m}^3$ or $\geq 2.50 \text{ pcf}$ Zone 2 (Inner): $\geq 24 \text{ kg/m}^3$ or $\geq 1.50 \text{ pcf}$
	Pacific Coast Douglas Fir		ACZA	$40 \text{ kg/m}^3$ or $\geq 2.50 \text{ pcf}$

**955-2.4 Structural Timber:** Provide structural timber in accordance with this section and Table 955-4. Approved producers should provide a certification showing the treatment and assay results with every shipment.

Table 955-4				
Product	Type / Species	Category	Treatment	Assay Results
Boards, Dimensional, Timber	Southern Yellow Pine	UC4B	CCA	$\geq 9.6 \text{ kg/m}^3$ or $\geq 0.60 \text{ pcf}$

**955-3 Handling Waterborne Preservative Treated Piling.**

In handling of piles that have been treated with chromated copper arsenate (CCA) or ammoniacal copper zinc arsenate (ACZA), cable slings shall be used. Mechanical grabbers or pointed tools shall not be permitted. Rough or careless handling shall be avoided at all times.

**955-4 Identification of Treating Plants for Round Piling.**

The treating plant shall brand, or place a distinctive permanent mark, on each round pile, approximately 6 feet from the butt end, such that the plant responsible for the treatment can be readily determined at any time during the service life of the piling.