

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.

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?

COATING NEW STRUCTURAL STEEL.
(REV 8-10-23)

SUBARTICLE 560-2.1 is deleted and the following substituted:

560-2 Materials.

560-2.1 Coating System: Use only coating products and systems meeting the requirements of Section 975 and listed on the Department's Approved Product List (APL). All components of coating systems must be from the same manufacturer.

Use Type M coal tar or glass flake epoxy coatings meeting the requirements of Section 926. Apply these products over a primer ~~and~~ listed on the Department's APL for coating of permanent bulkhead sheet piles and H piles.

SUBARTICLE 560-11.2 is deleted and the following substituted:

560-11.2 Application of Coating: Unless otherwise shown in the Contract Documents, apply the inorganic zinc primer to all surfaces of H and sheet piles and the exterior surface of pipe piles in accordance with the limitations of 560-8. Unless otherwise shown in the Contract Documents, apply coal tar or glass flake -epoxy coatings to the exposed side of sheet piles from the top of the piles to a depth of five feet below the lower of the design ground surface or the design scour depth in accordance with the limitations of 560-8. Apply the inorganic zinc primer in accordance with this Section. Apply the coal tar or glass flake -epoxy in accordance with the following specific requirements:

1. Apply the coal tar or glass flake -epoxy system ~~in two coats. The time interval between the first coat and the second coat will be~~ in strict accordance with the coating manufacturer's published specifications. ~~Apply the first coat to yield a dry film thickness of 8 to 10 mils. Apply the second coat to~~ Coal tar epoxies must attain a total dry film thickness (zinc primer and coal tar epoxy) at a minimum 18 of the two coats between 16 and 20 mils (on each side). Glass flake epoxies must attain a total dry film thickness (zinc primer and glass flake epoxy) at a minimum 10 mils (on each side).

2. Ensure that no area measurements ~~portion~~ of the coating is less than 80% of the specified minimum film thicknesses, as determined by AMPP Paint Application Standard No. 2 (PA-2). The total minimum film thickness for any combination of coats will be the sum total of the averages of the specified thickness range of the individual coats.

3. After applying the coating on the steel piles, the Engineer will thoroughly inspect the surfaces and make film thickness measurements at the approximate rate of one for each 25 square feet of area unless deficient thickness is found. In this case, the rate of additional measurements will be increased as required to determine the extent of the deficient area.