

ORIGINATION FORM

Date: 8/2/12

Originator: Steven Plotkin

Contact Information: Phone: (904) 360-5501 / E-mail: steven.plotkin@dot.state.fl.us

Specification Title:

- (1) Class 3 Surface Finish (under Finishing Concrete of the Concrete Structures Section)
- (2) Beams (under Finishing in the Prestressed Concrete Construction Section)
- (3) Slabs and Double-T Beams (under Finishing in the Prestressed Concrete Construction Section)

Specification Section, Article, or Subarticle Number:

- (1) 400-15.2.4
- (2) 450-10.5.2
- (3) 450-10.5.4

Why does the existing language need to be changed?

- (1) The existing text is not clear that a form liner is **required** when a Class
- (3) Surface Finish is specified in the plans.
- (2) The existing text requires a Class 3 Surface Finish which is incorrect.
- (3) The existing text requires a Class 3 Surface Finish which is incorrect.

Summary of the changes:

- (1) The revision makes it clear that a Class 3 Surface Finish **requires** the use of a form liner.
- (2) The Class 3 Surface Finish requirement was deleted and a General Surface Finish requirement was added as well as the requirement for use of steel forms.
- (3) The Class 3 Surface Finish requirement was deleted and a General Surface Finish requirement was added as well as the requirement for use of steel forms.

Are these changes applicable to all Department jobs? Yes

Will these changes result in an increase or decrease in project costs? No

With who have you discussed these changes? Mike Bergin, Tom Andres

What other offices will be impacted by these changes? None

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No

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

Rudy Powell 850-414-42820 rudy.powell@dot.state.fl.us

Frances Thomas 850-414-4101 frances.thomas@dot.state.fl.us

Debbie Toole 850-414-4114 deborah.toole@dot.state.fl.us

Andy Harper 850-414-4127 clifton.harper@dot.state.fl.us



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: September 26, 2012

TO: Specification Review Distribution List

FROM: Trey Tillander, State Specifications Engineer

SUBJECT: Proposed Specification: **4501005 Precast Prestressed Concrete Construction.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Steve Plotkin of the State Construction Office to delete the requirement for Class 3 Surface Finish and add a General Surface Finish requirement with the use of steel forms.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965TT or trey.tillander@dot.state.fl.us. Comments received after **October 24, 2012**, may not be considered. Your input is encouraged.

TT/cah
Attachment

PRECAST PRESTRESSED CONCRETE CONSTRUCTION.
(REV 9-265-12)

SUBARTICLE 450-10.5.2 (Page 473) is deleted and the following substituted:

450-10.5.2 Beams: Rough float the top surface of the beam and then scrub it transversely with a coarse brush or metal tine to produce a roughened surface for bonding. *For the other external surfaces of prestressed beams, unless otherwise specified, use steel forms where in direct contact with concrete and* apply a *General Surface Finish Class 3 surface finish to the external surfaces of prestressed beams* in accordance with *Section 400-15.1 [cn982ps1]*. Remove mortar leakage and stains to produce beams with a uniform appearance.

SUBARTICLE 450-10.5.4 (Page 473) is deleted and the following substituted:

450-10.5.4 Slabs and Double-T Beams: When the plans show the top surface of prestress slab or Double-T Beams units to be the riding surface, apply a Class 4 floor finish in accordance with Section 400. When the plans show the surface to be overlaid with asphalt or concrete, rough float the top surface and then scrub it transversely with a coarse brush to remove all laitance and to produce a roughened surface for bonding. *For the other external surfaces of slabs and double-T beams, unless otherwise specified, use steel forms where in direct contact with concrete and* apply a *General Surface Finish Class 3 surface finish to other exposed surfaces* in accordance with *Section 400-15.1 [cn982ps2]*.