



## Florida Department of Transportation

**RICK SCOTT**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**ANANTH PRASAD, P.E.**  
SECRETARY

October 25, 2012

Monica Gourdine  
Program Operations Engineer  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: Office of Design, Specifications  
Section **4501005**  
Proposed Specification: **4501005 Precast Prestressed Concrete Construction.**

Dear Ms. Gourdine:

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

These changes were 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 review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965TT or [trey.tillander@dot.state.fl.us](mailto:trey.tillander@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at 414-4140.

Sincerely,

V. Y. "Trey" Tillander, III, P.E.  
State Specifications Engineer

TT/cah

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**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](#). Remove mortar leakage and stains to produce beams with a uniform appearance.

**Comment [cn982ps1]:** This revision deletes the Class 3 Surface Finish requirement because it was incorrect and the correct finish which is a General Surface Finish, was added in addition to the requirement that steel forms be used in order to ensure a smooth surface finish.

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](#).

**Comment [cn982ps2]:** This revision deletes the Class 3 Surface Finish requirement because it was incorrect and the correct finish which is a General Surface Finish, was added in addition to the requirement that steel forms be used in order to ensure a smooth surface finish.

4501005  
All Jobs

**PRECAST PRESTRESSED CONCRETE CONSTRUCTION.**  
**(REV 9-26-12)**

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, apply a General Surface Finish in accordance with 400-15.1. 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, apply a General Surface Finish in accordance with 400-15.1.