



## Florida Department of Transportation

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GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS  
SECRETARY

July 24, 2008

Dr. Leslie McCarthy, PhD, P.E.  
Program Operations Engineer  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: Office of Design, Specifications  
Section 548  
Proposed Specification: **5480400 – Repairs and Rejection of Precast Components**

Dear Dr. McCarthy:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.  
Please review and transmit your comments, if any, within four weeks. Comments should be sent via Email to ST986RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4110.

Sincerely,

Rudy Powell, Jr., P.E.  
State Specifications Engineer

RP/dr

Attachment

cc: Gregory Jones, General Counsel  
Florida Transportation Builders' Assoc.  
State Construction Engineer  
Marvin Williams, Federal Highway Administration

## REPAIRS AND REJECTION OF PRECAST COMPONENTS.

(REV 6-12-08)

ARTICLE 548-4 (of the Supplemental Specifications) is deleted and the following substituted:

### 548-4 Repairs and Rejection of Precast Components.

*For precast concrete wall components that have not been installed, evaluate cracks, spalls and other deficiencies in accordance with 450-12. Repair deficiencies in accordance with 450-13 or the plant's approved repair methods that are included as part of the QCP. Ensure that the original performance and durability of repaired wall components are maintained. Use materials for concrete repair that will meet or exceed the strength requirement for the class of concrete used. Materials meeting the requirements of Section 930 may be substituted for non shrink grout when required by 450-13.*

*For precast concrete wall components that have been installed, the disposition of concrete cracks shall be in accordance with 400-21.*

The Department will reject all precast concrete wall components not meeting the quality standard of this Section and referenced Specifications. In addition, any of the following defects will be sufficient cause for rejection by the Department:

1. Defects that indicate unsatisfactory molding.
2. Defects indicating honeycombed or open texture concrete.
3. Defects in the physical characteristics such as:

Signs of aggregate segregation;  
Broken or cracked corners;  
Soil reinforcement attachment devices improperly

installed/damaged;

Lifting inserts not useable;  
Exposed reinforcing steel;  
Insufficient cover over reinforcing steel;  
Cracks at the alignment pipe or pin;  
Insufficient concrete compressive strength;  
Precast Component thickness in excess of  $\pm 3/16$  inch from that

shown in the Contract Documents; or

Stained front face, due to excess form oil or other reasons.

If the face of the precast component is stained or discolored to the point of rejection, the stain or discoloration may be removed or a Department approved stain or a Class 5 finish may be applied to attain a uniform appearance for the entire structure, to the satisfaction of the Engineer.

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