



Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

July 22, 2010

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

Re: Office of Design, Specifications
Section 410
Proposed Specification: 4100601 Precast Concrete Box Culvert.

Dear Ms. Gourdine:

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

These changes were proposed by Gevin McDaniel because the issue of corrosion protection of lifting devices for precast products had been addressed in a few Specification Sections separately (Section 407, 410 and 455), but were only applicable to those particular products. In lieu of continuing with the sprawling of requirements for protection of lifting devices, the decision was made to locate the language in a central location.

Please review and transmit your comments, if any, within two 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 414-4280.

Sincerely,

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

RP/cah
Attachment

cc: Gregory Jones, Chief Civil Litigation
Florida Transportation Builders' Assoc.
State Construction Engineer

PRECAST CONCRETE BOX CULVERT.**(REV 6-8-10)**

SUBARTICLE 410-6.1 (Page 419) is deleted and the following substituted:

410-6.1 Casting: Cast precast elements in unyielding beds and forms. Ensure bearing surfaces in casting forms are level and straight, and vertical surfaces are plumb prior to casting. Ensure surfaces within the forms against which concrete will be cast, are clean and free from rust and hardened residual concrete. Provide full concrete cover clearance to all form wires and other miscellaneous pieces of metal, except as permitted by Section 415. Bend all tie wires away from the form surface to provide maximum concrete cover. ~~Embedded metal lifting devices may be positioned 1/2 inch below the concrete surface, provided blockouts are backfilled with an epoxy mortar within a distance of 1 1/2 inch of the perimeter of the metal device located within the concrete cover.~~ *Provide inserts and lifting devices in accordance with 450-9.2.1.*

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