

## ORIGINATION FORM

### THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

**Specification:** Specification Section 105

**Subject:** Precast Prestressed Concrete Plant *Quality Control Program and Precast Concrete Plant Quality Control Personnel Qualifications*

**Origination date:** 11-6-08

**Originator:** Tom Malerk

**Office/Phone:** State Materials Office/ (352) 955-6620

**Problem statement:** Currently the specification requires that the precast prestressed concrete fabrication facilities have to be on the list of PCI-certified plants. Department has decided to accept the certification programs of the other precast prestressed concrete plant certification agencies. Subarticle 105-3.4 has currently listed only PCI as a prestressed concrete plant certification agency.

Subarticle 105 - 8.9 and Subarticle 105 – 8.11 have editorial errors.

**Proposed solution:** The list of the certification agencies will be available on the department's website in lieu of the specification. Upon the acceptance of an agency's certification program, the list of the department's plant certification agencies will be modified to include the name of the new certification agency. The proposed Subarticle 105-3.4 of the modified specification will address this change. The changes in the proposed Subarticle 105- 8.9 and 105 - 8.11 will correct the editorial errors.

**Information source:** The acceptance of the other certification programs equivalent to PCI certification program has been discussed with Brian Blanchard, Chief Engineer, Robert Robertson, State Structures Design Engineer, and Dave Sadler, Director Office of Construction. For information, please contact Ghulam Mujtaba at (352) 955 -6685.

**Recommended**

**Usage Note:** For all projects that that utilize the precast/prestressed concrete products.

**Estimated fiscal impact, if**

**implemented:** It is not expected there will be any change in the unit cost of the products as a result of this modification.



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### **M E M O R A N D U M**

**DATE:** February 10, 2009

**TO:** Specification Review Distribution List

**FROM:** Rudy Powell, Jr., P.E., State Specifications Engineer

**SUBJECT:** Proposed Specification: 1050304, Quality Control General Requirements

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

This change was proposed by Tom Malerk of the State Materials Office to accept certification programs from agencies in addition PCI for precast prestressed Concrete facilities..

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 ST986RP or rudy.powell@dot.state.fl.us. Comments received after March 10, 2009 may not be considered. Your input is encouraged.

RP/dr  
Attachment

**QUALITY CONTROL GENERAL REQUIREMENTS.  
(REV 1-28-09)**

SUBARTICLE 105-3.4 (of the Supplemental Specifications) is deleted and the following substituted:

**105-3.4 Prestressed Concrete Quality Control Program:** Ensure that prestressed concrete plants participating in the Department's Acceptance Program are qualified.

Obtaining qualification *requires a current certification from a Department approved precast prestressed concrete will require plant certification agency and a Department Precast/Prestressed Concrete Institute (PCI) certification and an approved Quality Control Plan, developed in accordance with this meeting the requirements of this Section. The list of Department approved certification agencies is available on the website of the State Materials Office.*

SUBARTICLE 105-8.9 (of the Supplemental Specifications) is deleted and the following substituted:

**105-8.9 Prestressed Concrete Plant Facility Quality Control Personnel:** Ensure each *prestressed concrete* plant has an *onsite* on-site production manager, an *on-site onsite Plant Facility* Manager for QC, a plant engineer, and adequate *onsite on-site* QC inspectors/technicians to provide complete QC inspections and testing.

Ensure the *Plant Facility* Manager for QC has at least five years of related experience and a current PCI QC personnel Level III certification and a certificate of completion of Section 450 Specification examination. Ensure that the QC inspector/technician has current PCI QC Technician/Inspector Level II certification and a certificate of completion of Section 450 Specification examination.

Ensure that the batch plant operators of the ready mixed concrete batch plants meet the requirements of Section 9.2 of the Materials Manual. Ensure that the batch plant operators of *the onsite* centrally mixed concrete plants meet the requirements of 105-~~85~~.11.1.4.2.

SUBARTICLE 105-8.11 (of the Supplemental Specifications). The title of the Subarticle is deleted and the following substituted:

**105-8.11 *Pipe and Precast Concrete Drainage Products* Manufacturing Facilities Quality Control Personnel:**

SUBARTICLE 105-8.11.1 (of the Supplemental Specifications). The title of the Subarticle is deleted and the following substituted:

**105-8.11.1 Precast Concrete Drainage *Structures*, Precast *Concrete* Box Culvert, Precast Concrete Pipe, Fiber Reinforced Concrete Pipe, and Flexible Pipe Manufacturing Facilities Quality Control Personnel:**

Implementation of these changes, if and when approved, will begin with the January, 2010 letting.