

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Specification: Specification Section 105

Subject: Pipe and Precast Concrete Products Manufacturing Facilities
Quality Control Personnel

Origination date: 8-20-09

Originator: Tom Malerk
Office/Phone: State Materials Office/ (352) 955-6620

Problem statement: The specification requires that the Quality Control Manger of the Incidental Precast Concrete Plants to have either CTQP Concrete Field Technician level I certification or Precast Concrete Drainage Structures Level II Quality Control Inspector certification. These two requirements are inconsistent with each other.

Proposed solution: In order to be consistent in these requirements, the qualification requirements of Quality Control Managers of incidental precast concrete plants should be changed from CTQP Concrete Field Technician Level I to CTQP Concrete Field Technician Level II. Also, the website address of training providers and Department approved courses are included in the proposed specification changes.

Information source: The problem and its proposed changes have been discussed with the precast concrete quality assurance personnel of the State and District Materials Offices. For information, please contact Ghulam Mujtaba at (352) 955 -6685.

Recommended Usage Note: For all projects that that utilize the incidental precast concrete products.

Estimated fiscal impact, if

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Begin date:

File Number:

Scheduled completion date: Projected process completion date.

Implementation team member: Specialist assigned to shepherd issue through the process.

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

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

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Begin date:

File Number:

**Scheduled
completion date:**

Projected process completion date.

**Implementation
team member:**

Specialist assigned to shepherd issue through the process.



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M E M O R A N D U M

DATE: September 18, 2009

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specification: 1050811 CONTRACTOR QUALITY CONTROL
GENERAL REQUIREMENTS – PERSONNEL QUALIFICATIONS.

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

This change was proposed by Ghulam Mujtaba, State Materials Office to clarify the qualification requirements for QC personnel for incidental precast concrete products.

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 **October 20, 2009** may not be considered. Your input is encouraged.

RP/jf
Attachment

**CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS.
(REV 8-20-09)**

SUBARTICLE 105-8.11 (Pages 150 – 151) is deleted and the following substituted:

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

105-8.11.1 General: Obtain ~~the required~~ personnel certifications from the Department accredited training providers. The list of ~~the~~ Department approved courses and their accredited providers may be viewed at the following URL: ~~is~~ available on the State Materials Office website.

<http://www.dot.state.fl.us/statematerialsoffice/administration/resources/training/structural/index.shtml>

105-8.11.1.2 Precast Concrete Drainage Structures, Precast Concrete Box Culvert, Precast Concrete Pipe, *Incidental Precast Concrete*, and Flexible Pipe Manufacturing Facilities Quality Control Personnel:

105-8.11.1.2.1 Level I Quality Control Inspectors: Ensure that the Level I Inspectors have completed a minimum of a 12-hour, Department approved, Level I QC Inspector training course in the respective work area. As an exception to this, ensure Flexible Pipe Level I QC Inspectors have completed a minimum of an 8-hour, Department approved, Level I QC Flexible Pipe Inspector training course. *For the QC inspector ~~Incidental Precast Concrete~~ Products, as an alternative to the completion of the 12-hour training course, the Department will accept QC personnel meeting the requirements of 105-8.11.2.4.1 and CTQP Concrete Field Technician level I certification or PCI Quality Control Technician/Inspector Level II certification.*

105-8.11.1.2.2 Level II Quality Control Inspectors: Ensure that Level II Inspectors have completed Department approved Level I QC Inspector training and a minimum of a 5-hour, Department approved, Level II QC Inspector training course in the respective work areas. *For the ~~QC inspector of Incidental Precast Concrete~~ Products, as an alternative to the completion of the 5-hour training course, the Department will accept ~~s the~~ CTQP Concrete Field Technician Level II or PCI Quality Control Level III certifications.*

105-8.11.1.2.3 Plant Quality Control Manager: Ensure that QC Manager has completed Department approved Level II QC Inspector training and has a minimum of 2 years construction related experience in the specific work area.

105-8.11.1.2.4 Additional Requirements for Quality Control Personnel of Precast Concrete Drainage, ~~and~~ Precast Concrete Box Culvert, *and Incidental Precast Concrete* Manufacturing Facilities:

105-8.11.1.2.4.1 Testing Personnel: Ensure the personnel performing plastic property tests have ACI Concrete Field Testing Technician-Grade I certification. Ensure the personnel performing laboratory compressive strength testing have ACI Concrete Laboratory Testing Technician-Grade 1 certification or ACI Concrete Strength Testing Technician certification.

105-8.11.1.2.4.2: Batch Plant Operator: Ensure the concrete batch plant operator is qualified as a CTQP Concrete Batch Plant Operator. As an alternative to CTQP qualification, the Department will accept the completion of a minimum of a 6-hour, Department approved, Batch Plant Operator training course.

~~105-8.11.2 Quality Control Personnel of Incidental Precast Manufacturing Facilities:~~**~~105-8.11.2.1: Incidental Precast Concrete Plant Quality Control~~**

~~Inspectors:~~ Ensure the QC Inspectors meet the requirements of ~~105-8.11.1.4.1~~ and are qualified as ~~CTQP Concrete Field Technician Level I.~~

~~105-8.11.2.2: Incidental Precast Concrete Plant Quality Control~~

~~Manager:~~ Ensure the QC Manager meets the requirements of ~~105-8.11.2.1~~ and has at least two years of QC experience, directly related to cement concrete production.

~~105-8.11.2.3: Alternative Incidental Precast Concrete Personnel~~

~~Qualification:~~ As an alternative to ~~CTQP~~ qualifications and ~~CTQP Batch Plant Operator~~, the Department will accept QC personnel meeting the qualification requirements of ~~105-8.11.1.~~