



**Recommended  
Usage Note:**

Jobs with Precast Concrete Drainage Products

**Desired  
implementation  
date:**

Beginning with the January 2007 letting



***Florida Department of Transportation***

**JEB BUSH  
GOVERNOR**

605 Suwannee Street  
Tallahassee, FL 32399-0450

**DENVER J. STUTLER, JR.  
SECRETARY**

**MEMORANDUM**

**DATE:** April 14, 2006  
**TO:** Specification Review Distribution List  
**FROM:** Duane F. Brautigam, P.E., State Specifications Engineer  
**SUBJECT:** Proposed Specifications Change: **1050511 Contractor Quality Control General Requirements – Incidental Precast Concrete Manufacturing Facilities Quality Control Personnel**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification for Contractor Quality Control General Requirements – Incidental Precast Concrete Manufacturing Facilities Quality Control Personnel.

This change was proposed by Ghulam Mujtaba of the State Materials Office to establish the required qualifications for quality control personnel of precast concrete producing plants.

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 SP965DB or duane.brautigam@dot.state.fl.us. Comments received after May 12, 2006 may not be considered. Your input is encouraged.

DFB/ft

Attachment

**COMMENTS:**

---

---

---

---

---

---

---

**Submitted by:**

**Phone #:**

**CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS-  
INCIDENTAL PRECAST CONCRETE MANUFACTURING FACILITIES  
QUALITY CONTROL PERSONNEL.  
(REV. 4-12-06)**

SUB-ARTICLE 105-5.11 (of the Supplemental Specifications) is deleted and the following substituted:

**105-5.11 Precast Concrete Drainage, Precast Box Culvert, Precast Concrete Pipe, Fiber Reinforced Concrete, Flexible Pipe, and Incidental Precast Manufacturing Facilities Quality Control Personnel:**

**105-5.11.1 Precast Concrete Drainage, Precast Box Culvert, Precast Concrete Pipe Fiber Reinforced Concrete Pipe, and Flexible Pipe Manufacturing Facilities Quality Control Personnel:**

**105-5.11.1.1 Level I Quality Control Inspectors:** Ensure that the Level I Inspectors have completed a minimum of a 12-hour, Department approved, Level I Quality Control Inspector training course in the respective work area. As an exception to this, ensure Flexible Pipe Level I Quality Control Inspectors have completed a minimum of an 8-hour, Department approved, Level I Quality Control Flexible Pipe Inspector training course.

**105-5.11.1.2 Level II Quality Control Inspectors:** Ensure that Level II Inspectors have completed Department approved Level I Quality Control Inspector training and a minimum of a 5-hour, Department approved, Level II Quality Control Inspector training course in the respective work areas.

**105-5.11.1.3 Plant Quality Control Manager:** Ensure that Quality Control Manager has completed Department approved Level II Quality Control Inspector training and has a minimum of 2 years construction related experience in the specific work area.

**105-5.11.1.4 Additional Requirements for Quality Control Personnel of Precast Concrete Drainage and Precast Concrete Box Culvert Manufacturing Facilities:**

**105-5.11.1.4.1 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.

**105-5.11.1.4.2: 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.

**105-5.11.2 Quality Control Personnel of Incidental Precast Manufacturing Facilities:**

**105-5.11.2.1: Incidental Precast Concrete Plant Quality Control Inspectors:** Ensure the Quality Control Inspectors are qualified as CTQP Concrete Field Technician Level I.

**105-5.11.2.2: Incidental Precast Concrete Plant Quality Control Manager:** Ensure the Quality Control Manager is qualified as a CTQP Concrete Field Technician Level I and has at least two years of quality control experience, directly related to cement concrete production.

**105-5.11.2.3: Alternative Incidental Precast Concrete Personnel Qualification:** As an alternative to CTQP qualifications and CTQP Batch Plant Operator, the Department will accept quality control personnel meeting the qualification requirements of 105-5.11.1.