



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.
SECRETARY

June 27, 2006

Mr. Greg Williams
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 105
Proposed Specification: 1050511 Contractor Quality Control General Requirements –
Incidental Precast Concrete Manufacturing Facilities Quality Control Personnel

Dear Mr. Williams:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Contractor Quality Control 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 review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

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

Sincerely,

Signature on File

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/ft

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

**CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS-
INCIDENTAL PRECAST CONCRETE MANUFACTURING FACILITIES
QUALITY CONTROL PERSONNEL.**

~~(REV. 4-12-06)~~ (6-8-06)

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 *Pipe*, 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 *or ACI Concrete Strength Testing Technician 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 *meet the requirements of 105-5.11.1.4.1 and* 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 *meets the requirements of 105-*

~~5.11.2.1~~ 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.

**CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS-
INCIDENTAL PRECAST CONCRETE MANUFACTURING FACILITIES
QUALITY CONTROL PERSONNEL.
(REV 6-8-06)**

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 Pipe, 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 or ACI Concrete Strength Testing Technician 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 meet the requirements of 105-5.11.1.4.1 and 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 meets the requirements of 105-

5.11.2.1 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.