



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

November 6, 2009

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

Re: Office of Design, Specifications
Section 105
Proposed Specification: 1050811 Contractor Quality Control General Requirements

Dear Ms. Gourdine:

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

These changes were proposed by Ghulam Mujtaba, State Materials Office to clarify the qualification requirements for QC personnel for incidental precast concrete products.

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/

Attachment

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

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 URL: is available on the State Materials Office website.~~*

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

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 Precast/Prestressed Concrete Institute (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. 12.4.2: 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.

**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 personnel certifications from Department accredited training providers. The list of Department approved courses and their accredited providers is available on the State Materials Office website.

105-8.11.2 Precast Concrete Drainage Structures, Precast Concrete Box Culvert, Precast Concrete Pipe, Incidental Precast Concrete, and Flexible Pipe Manufacturing Facilities Quality Control Personnel:

105-8.11.2.1 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 Incidental Precast Concrete, 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- Precast/Prestressed Concrete Institute (PCI) Quality Control Technician/Inspector Level II certification.

105-8.11.2.2 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 Incidental Precast Concrete, as an alternative to the completion of the 5-hour training course, the Department will accept CTQP Concrete Field Technician Level II or PCI Quality Control Level III certifications.

105-8.11.2.3 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.

105-8.11.2.4 Additional Requirements for Quality Control Personnel of Precast Concrete Drainage, Precast Concrete Box Culvert, and Incidental Precast Concrete Manufacturing Facilities:

105-8.11.2.4.1 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. 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.