

ORIGINATION FORM

Date: 4/22/2014

Originator: Steve Duke

Contact Information: steveduke@dot.state.fl.us, State Materials Office, 352-955-6682

Specification Title: Contractor Quality Control General Requirements

Specification Section, Article, or Subarticle Number: 105

105.1.2.3, 105-3.2, Table 105-5

Why does the existing language need to be changed? To help better define those items requiring commercial inspection, adding a reference to new Section 11.3 of the Materials Manual, and corrected the numbering for Table 105-5.

(This is included in a separate submission.)

Summary of the changes:

Are these changes applicable to all Department jobs? No

If not, what are the restrictions? Just those jobs that require commercial inspection.

Will these changes result in an increase or decrease in project costs? No

If yes, what is the estimated change in costs?

With who have you discussed these changes? State Materials Office, State Construction Office, State Design Office, State Maintenance Office

What other offices will be impacted by these changes? None

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No

Are all references to external publications current? Yes

If not, what references need to be updated (please include changes in the redline)?

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No

Contact the State Specifications Office for assistance in completing this form.

Daniel Scheer 850-414-4130 daniel.scheer@dot.state.fl.us

Frances Thomas 850-414-4101 frances.thomas@dot.state.fl.us

Debbie Toole 850-414-4114 deborah.toole@dot.state.fl.us

Andy Harper 850-414-4127 clifton.harper@dot.state.fl.us

Ray Haverty 850-414-4129 ray.haverty@dot.state.fl.us



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: May 8, 2014

TO: Specification Review Distribution List

FROM: Daniel Scheer, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **1050102 Contractor 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 Steve Duke of the State Materials Office (SMO) to clarify items requiring commercial inspection and to require the Contractor to submit a production schedule for these items to the SMO as well as to the Engineer.

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 SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **June 4, 2014**, may not be considered. Your input is encouraged.

DS/dt
Attachment

**CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS.
(REV 4-22-14)**

SUBARTICLE 105-1.2.3 is deleted and the following substituted:

105-1.2.3 Notification of Placing Order: Order materials sufficiently in advance of their incorporation in the work to allow time for sampling, testing and inspection. Notify the Engineer, prior to placing orders for materials.

Submit to the Engineer, *and to the State Materials Office (SMO)*, a ~~fabrication~~*production* schedule for all items requiring commercial inspection, ~~before or at the preconstruction meeting at least 30 days prior to beginning any production.~~ These items include, but are not limited to steel bridge components, ~~overhead cantilevered sign supports with cantilevered arms exceeding 41 feet,~~ moveable bridge components, *castings, forgings, structures erected either partially or completely over the traveled roadway or mounted on bridges as overhead traffic signs (e.g., cantilevered, overhead trusses and monotubes)*, or any other item identified as an item requiring commercial inspection in the Contract Documents.

~~Notify the Engineer at least 30 days before beginning any production and include a production schedule.~~

SUBARTICLE 105-8.12 is deleted and the following substituted:

105-8.12 Structural Steel and Miscellaneous Metals Fabrication Facility Quality Control Personnel: Ensure each fabrication facility has an onsite production manager, an onsite facility manager for QC, a plant engineer, and on site QC inspectors/technicians to provide complete QC inspections and testing.

Ensure that the Facility Manager for QC and QC inspectors/technicians meet the certification requirements set forth in the latest version of AASHTO/NSBA Steel Bridge Collaboration S 4.1, Steel Bridge Fabrication QC/QA Guide Specification, including the years of experience required in Table 105-5 below. The Facility Manager for QC must meet the requirements of Table 105-5 for every Structural Steel Member Type produced by a plant with QC being managed by the Facility Manager for QC. The Facility Manager for QC will report directly to the plant manager or plant engineer and must not be the plant production manager nor report to or be the subordinate of the plant production manager. QC inspectors/technicians must be the employees of, and must report directly to the Facility Manager for QC.

TABLE 105-51 Experience Requirements for QC Inspectors/Technicians And Facility Manager for Quality Control		
Structural Steel Member Type	Minimum Years of Experience Required	
	QC Inspector/Technician	Facility Manager for QC
Rolled beam bridges	1 year	3 years
Welded plate girders (I sections, box sections, etc.)	2 years	4 years

TABLE 105-51 Experience Requirements for QC Inspectors/Technicians And Facility Manager for Quality Control		
Structural Steel Member Type	Minimum Years of Experience Required	
	QC Inspector/Technician	Facility Manager for QC
Complex structures, such as trusses, arches, cable stayed bridges, and moveable bridges	3 years	5 years
Fracture critical (FC) members	3 years	5 years