

Origination Form

Specifications

Name:	Andrew Pinkham	Standard Specification Section:	450
Email:	andrew.pinkham@dot.state.fl.us	Special Provision:	
Date:	2025-05-29T19:18:11Z	Associated Specs:	None

Summary:

Removed language requiring Notarized Certification Statement (also known as 105, 449, 450 letters) and instead rely on preexisting requirements for the Production Facility Quality Control Stamp and the delivery ticket.

Justification:

Notarized Material Certification requirements are redundant when Production Facility Quality Control Stamp and delivery tickets already certify product compliance with department specifications. In addition, the delivery ticket contains Section 6 compliance verbiage.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

Efficiency based change. Reduction in processing times for paperwork and more efficient acceptance of precast elements onto job sites, thereby reducing construction delays.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

None.

What impact does the change have on production or construction schedules?

This change eliminates construction delays due to missing paperwork.

How does this change improve efficiency or quality?

This change eliminates the need for creation, collection and tracking of notarized paperwork that is ultimately not utilized. Certification of quality currently lies in the application of the Production Facility QC Stamp at the precast facility.

Which FDOT offices does the change impact?

State and District Materials offices, Office of Construction, Office of Maintenance.

What is the impact to districts with this change?

Minimal impact to districts.

Does the change shift risk and to who?

Risk does not shift. Precast production facilities are required to certify by the application of the Production Facility QC Stamp that individual precast element was fabricated in conformance with the Producer QC Plan and the Contract Documents.

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtml>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

PRECAST PRESTRESSED CONCRETE CONSTRUCTION (REV 5-29-25)

SUBARTICLE 450-14.3 is deleted and the following substituted:

450-14.3 Shipping: Do not ship precast prestressed concrete products to the project site prior to the completion of the 72 hour curing period and attainment of the required 28-day strength. Verification of the shipping strength test, before 28 days, is permitted by testing compressive strength cylinders that are cured under the conditions similar to the product or by testing temperature match cured cylinders.

The use of maturity method, ASTM C1074, pulse velocity method in accordance with ASTM C597, or any other nondestructive test method acceptable to Engineer, is permitted to estimate the strength before its verification by test cylinders. The shipping strength test is the average compressive strength of two test cylinders. Do not ship products until accepted and stamped by the QC Manager or the inspectors under the direct observation of the QC Manager or designee.

In the case of elements repaired due to major defects, notify the Engineer at least 72 hours in advance of shipping to verify compliance with the Specification.

~~At the beginning of each project, provide a notarized statement to the Engineer from a responsible company representative certifying that the plant will manufacture the products in accordance with the requirements set forth in the Contract Documents and Producer QC Plan.~~

The Production Facility Quality Control Stamp on each product indicates certification that the product was fabricated in conformance with the Producer QC Plan, the Contract, and the Specifications. Ensure that each shipment of prestressed concrete products to the project site is accompanied with a signed or stamped delivery ticket providing the description and the list of the products.

Evaluate the temporary stresses and stability of all products during shipping and locate supports, generally within 18 inches from the beam end, in such a manner as to maintain stresses within acceptable levels. Include impact loadings in the evaluation. Do not support slab beams on the outer 6 inches of the product width.