

Origination Form

Specifications

Submittal Information			
Name:	Karen Byram	Standard Specification Section:	949
Email:	karen.byram@dot.state.fl.us	Special Provision:	
Date:	2026-06-18T13:09:41Z	Associated Specs:	N/A

Summary:

This is editorial change. The Specification 105 QC Plans has been removed and substituted with the Approved Product list.

Justification:

Material requirement changes have been made to align with Materials Bulletin No. 24-02 Revised Procurement And Contractor's Quality Control Plan Requirements Of Specific Structural Materials For Projects Let After July 1, 2024.

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	Karen Byram	Yes
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?

N/A

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

N/A

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

N/A

How does this change improve efficiency or quality?

Material requirement changes have been made to align with Materials Bulletin No. 24-02 Revised Procurement And Contractor's Quality Control Plan Requirements Of Specific Structural Materials For Projects Let After July 1, 2024.

Which FDOT offices does the change impact?

Materials

What is the impact to districts with this change?

N/A

Does the change shift risk and to who?

N/A

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/specifications/default.shtm>

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.

**MISCELLANEOUS COMPONENTS FOR
MANHOLES, INLETS AND OTHER STRUCTURES
(REV 6-18-26)**

SECTION 949 is deleted and the following substituted:

949-1 ~~Clay Brick and Shale Brick~~ General.

~~This brick shall meet the requirements of ASTM C62, Grade MW or ASTM C32, Grade MM.~~ This Section covers the material and fabrication requirements for manholes, inlets and other structures.

949-1.2 Approved Product List (APL): All products must be listed on the APL. Manufacturers seeking evaluation of their product shall submit an application in accordance with Section 6 and include the documentation identified in Table 949-1 and this Section.

<u>Table 949-1</u> <u>APL Requirements for Documentation</u>	
<u>Documentation</u>	<u>Requirements</u>
<u>Product Photo</u>	<u>Provide product photos that display the significant features of the product. Provide photos for all manufacturer-supplied installation materials. The name on the product label must match the product name on the APL.</u>
<u>Product Label and Packaging</u>	<u>The product name on the label and packaging must match the product name on the APL.</u>
<u>Manufacturer self-certification</u>	<u>Submit to the Engineer a certification from the manufacturer stating that the bricks, concrete masonry units, precast grade adjustment rings or composite rubber adjustment rings meet the requirements of this Section. Acceptance of materials will be in accordance with Section 6.</u>

949-2 ~~Clay Brick and Shale Brick.~~

~~This brick shall meet the requirements of ASTM C62, Grade MW or ASTM C32, Grade MM.~~

949-~~2~~3 Concrete Brick.

Concrete brick shall meet the requirements of ASTM C55.

949-~~3~~4 Concrete Masonry Units.

Concrete masonry units for use in manholes, inlets and similar structures shall meet the requirements of ASTM C139.

949-~~4~~5 Precast Grade Adjustment Rings.

Precast grade adjustment rings shall meet the requirements of ASTM C478.

949-~~5~~6 Composite Rubber Adjustment Rings.

Composite rubber adjustment rings shall meet the following minimum material requirements:

Table 949-12		
Physical Properties	Requirements	Test Method
Density, lb./ft ³	65 ± 5%	ASTM D3574-05, Test A
Durometer Hardness, Molded Surfaces, Shore A	75A ± 10	ASTM D2240-05
Tensile Strength, psi	145 (minimum)	ASTM D412-06
Ultimate Elongation %	15 ± 5	ASTM D412-06
Compression Deformation %, Initial	6 ± 2	ASTM D575-91(01)
Compression Deformation %, Final	6 ± 2	ASTM D575-91(01)
Coefficient of Thermal Expansion	10x10 ⁻⁵ ± 5x10 ⁻⁵	ASTM E831-05

949-6 Acceptance:

~~Submit to the Engineer a certification from the manufacturer stating that the bricks, concrete masonry units, precast grade adjustment rings or composite rubber adjustment rings meet the requirements of this Section. Acceptance of materials will be in accordance with Section 6.~~