



Florida Department of Transportation

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MEMORANDUM

DATE: November 5, 2015

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specification: **9490000 Miscellaneous Components for Manholes, Inlets and Other Structures.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Amy Tootle of the State Construction Office to require all construction-related documentation to be submitted by electronic means for consistency with the State Construction Office e-Construction initiative.

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 online at <http://www2.dot.state.fl.us/ProgramManagement/Development/IndustryReview.aspx>. Comments received after **December 3, 2015**, may not be considered. Your input is encouraged.

DS/dt
Attachment

MISCELLANEOUS COMPONENTS FOR MANHOLES, INLETS AND OTHER STRUCTURES.

(REV 10-26-15)

SECTION 949 is deleted and the following substituted:

949-1 Clay Brick and Shale Brick.

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

949-2 Concrete Brick.

Concrete brick shall meet the requirements of ASTM C55.

949-3 Concrete Masonry Units.

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

949-4 Precast Grade Adjustment Rings.

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

949-5 Composite Rubber Adjustment Rings.

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

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.

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