

# ORINATION FORM

## Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date: Specification Section:

Originator: Articles/Subarticles:

Telephone:

email:

Will the proposed revision involve Design Standard Index changes? Yes No

Roadway Design staff contacted (name):

Structures Design staff contacted (name):

Will the proposed revision involve PPM changes? Yes No

Roadway Design staff contacted (name):

Will the proposed revision involve CPAM changes? Yes No

Construction staff contacted (name):

Will the proposed revision involve Pay Item changes? Yes No

Estimates staff contacted (name):

Will the proposed revision involve SDG changes? Yes No

Structures staff contacted (name):

Will the proposed revision involve APL changes? Yes No

Product Evaluation staff contacted (name):

Will the proposed revision involve Material Manual changes? Yes No

State Materials Office staff contacted (name):

Will this revision necessitate any of the following:

Design Bulletin Construction Bulletin Estimates Bulletin Materials Bulletin

Are all references to external publications current? Yes No

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

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs? Yes No

If not, what are the restrictions?

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

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## *Florida Department of Transportation*

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SECRETARY

### **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 <sup>3</sup>	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 <sup>-5</sup> ± 5x10 <sup>-5</sup>	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.