

ORIGINATION FORM

Date: July 19, 2012
Originator: Timothy J. Ruelke
Contact Information: State Materials Office/352-955-6620

Specification Title: Brick and Concrete Masonry Units for Manholes, Inlets and Other Structures

Specification Section, Article, or Subarticle Number: 949

Why does the existing language need to be changed? The acceptance criteria for these materials are unclear.

Summary of the changes: The articles in Section 949 state that the materials must meet a specific AASTHO or ASTM standard, but does not describe how that determination is to be made. Historically these materials have been sampled by project personnel and tested by the State Materials Office. The current acceptance method of sampling and testing is being revised to acceptance by manufacturer's certification.

Are these changes applicable to all Department jobs? If not, what are the restrictions?
These changes are applicable to all Department projects.

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? There should be a minimal decrease in project costs as this change reduces amount of sampling and testing for determining material acceptance.

With who have you discussed these changes? No other offices have been involved in this discussion.

What other offices will be impacted by these changes? No other offices should be impacted by this change.

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

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

Contact the State Specifications Office for assistance in completing this form.
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M E M O R A N D U M

DATE: October 26, 2012

TO: Specification Review Distribution List

FROM: Trey Tillander, State Specifications Engineer

SUBJECT: Proposed Specification: **9490000 Brick and Concrete Masonry Units 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 Timothy Ruelke of the State Materials Office to clarify acceptance criteria for brick and concrete masonry units.

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 SP965TT or trey.tillander@dot.state.fl.us. Comments received after **November 23, 2012**, may not be considered. Your input is encouraged.

TT/dt
Attachment

BRICK AND CONCRETE MASONRY UNITS FOR MANHOLES, INLETS AND OTHER STRUCTURES.**(REV 9-2410-16-12)**

SECTION 949 (Page 1064) is deleted and the following substituted:

**SECTION 949
BRICK AND CONCRETE MASONRY UNITS FOR
MANHOLES, INLETS AND OTHER STRUCTURES**

949-1 Clay Brick and Shale Brick.

This brick shall meet the requirements of ~~AASHTO M-114~~ *ASTM C62*, ~~for~~ Grade MW *or ASTM C32, Grade MM.*

949-2 Concrete Brick.

Concrete brick shall meet the requirements of ASTM C55 ~~for Grade S-H.~~

949-3 Concrete Masonry Units.

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

~~When the masonry units are produced by a manufacturer exercising quality control procedures acceptable to the Department, such units may be accepted on the basis of six test certificates furnished to the Department. Such certificates shall be signed by an authorized agent of the manufacturer, and identified by project number.~~

949-4 ~~Submittals~~ Acceptance.

Provide the Engineer a certification from the manufacturer's certification stating that the bricks or concrete masonry units meet the requirements of this Section. Acceptance of materials will be in accordance with Section 6-1.3.1.