

ORIGINATION FORM

Date: March 9, 2012

Originator: John Shoucair

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Specification Title: 902

Specification Section, Article, or Subarticle Number: 902-1.1 Composition

Why does the existing language need to be changed? The Department consistently uses the term “construction aggregates” in Rule Chapter 14-103, FAC and all documents incorporated by reference .

Summary of the changes: The Department refers used to refer to mineral aggregates but now uses the term construction aggregates.

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

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? Neutral. Pen and ink change only.

With who have you discussed these changes? David Horhota, Ph. D., P.E., State Geotechnical Materials Engineer.

What other offices will be impacted by these changes? None.

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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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: March 27, 2012
TO: Specification Review Distribution List
FROM: Duane Brautigam, Director, Office of Design
SUBJECT: Proposed Specification: **9020101 Fine Aggregate.**

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

This change was proposed by John Shoucair of the State Materials Office to revise the language for current usage and practice.

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 SP965DB or duane.brautigam@dot.state.fl.us. Comments received after **April 24, 2012**, may not be considered. Your input is encouraged.

DB/dt
Attachment

FINE AGGREGATE.
(REV 3-15-12)

SUBARTICLE 902-1.1 (Page 819) is deleted and the following substituted:

902-1.1 Composition: Fine aggregate shall consist of natural silica sand, screenings, local materials, or subject to approval, other inert materials with similar characteristics, or combination thereof, having hard, strong, durable particles, conforming to the specific requirements of this Section.

Approval of ~~mineral~~ **construction** aggregate sources shall be in accordance with 6-3.3.

Comment [dt1]: The Department consistently uses the term "construction aggregates" in Rule Chapter 14-103, FAC and all documents incorporated by reference.

SUBARTICLE 902-3.2 (Page 820) is deleted and the following substituted:

902-3.2 Brick Masonry: Sand for brick masonry shall meet the quality requirements of 902-2 except for gradation requirements. All the materials shall pass the No. 8 sieve, and be ~~uniformly~~ **well** graded from coarse to fine.

Comment [dt2]: The language has been technically incorrect. Producers would be negatively impacted if the current language was interpreted strictly. Further, producers do meet the spec with the existing language.
"Uniformly" graded in the second sentence means that the sand should consist most of a single size.
"Well" graded means that the sand is composed of particles of such sizes that some material is retained on more than one sieve. The request is to replace "uniformly" with "well".