# ORIGINATION FORM
## Proposed Revisions to the Specifications

**Date:** 10/28/14

**Specification Section:** 915

**Originator:** John Shoucair

**Articles/Subarticles:** All

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**Why does the existing language need to be changed?**

Materials for Base Courses in Division III are being consolidated into Section 911. The requirements for Recycled Concrete Aggregate (RCA) in SP2040000 is also being incorporated into Section 911. (RCA will not be allowed for use on interstate roadways.)
SP2040000 and Sections 913, 913A, 915 will be deleted.

**Summary of the changes:**

Section 915 will be deleted.

**Are these changes applicable to all Department jobs?** **Yes** ○ **No** ◉
**If not, what are the restrictions?**

RCA will not be permitted as a base course on Interstate jobs.

**Will these changes result in an increase or decrease in project costs?** **Yes** ◉ **No** ○
**If yes, what is the estimated change in costs?** -$500,000

**With who have you discussed these changes?**

Materials Offices, Construction, Office of Roadway Design, FHWA, some Contractors

**What other offices will be impacted by these changes?**

**Will this revision necessitate changes to the following:** **BOE** ☐ **PPM** ☐ **SDG** ☐ **CPAM** ☐

**Design Standards** ☑ **List Affected Index Nos.** 514

**Other manual?**

Flexible Pavement Manual

**Are all references to external publications current?** **Yes** ◉ **No** ○
**If not, what references need to be updated (please include changes in the redline)?**

**Will this revision necessitate any of the following:**
**Design Bulletin** ☐ **Construction Bulletin** ☐ **Estimates Bulletin** ☐

Contact the State Specifications Office for assistance in completing this form.
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ANANTH PRASAD, P.E.
SECRETARY

**M E M O R A N D U M**

**DATE:** November 26, 2014

**TO:** Specification Review Distribution List

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

**SUBJECT:** Proposed Specification: **9150000 Cemented Coquina Shell Material.**

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 (SMO) to move the language from Section 915 to Section 911 in order to consolidate all materials used for base and stabilized base into one Section. Section 915 will be deleted.

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/SpecificationsEstimates/Development/IndustryReview.aspx . Comments received after **December 24, 2014,** may not be considered. Your input is encouraged.

DS/dt
Attachment

**CEMENTED COQUINA SHELL MATERIAL.**
**(REV 10-4-14)**

SECTION 915 is deleted.

## ~~SECTION 915~~
## ~~CEMENTED COQUINA SHELL MATERIAL~~

**~~915-1 Composition.~~**

~~Cemented coquina shell materials to be used as cemented coquina base or stabilized base, shall be defined as naturally occurring deposits formed essentially of broken mollusk shell, corals and the skeletal remains of other marine invertebrates, which are presently found as "dry land" deposits and which have been cemented together by carbonates or other natural cementing agents.~~

~~Approval of mineral aggregate sources shall be in accordance with 6-2.3.~~

**~~915-2 Deleterious Substances.~~**

~~Cemented coquina shell materials shall be reasonably free of lumps of clay, organic matter, and other substances not defined which may possess undesirable characteristics. The material shall not contain loose, free silica sand in sufficient quantity to prevent bonding.~~

**~~915-3 Physical and Chemical Properties.~~**

~~Cemented coquina shell shall meet the following physical and chemical properties.~~

~~Limerock Bearing Ratio (LBR) (FM 5-515) - The material shall have an average LBR value of not less than 100. Material represented by any individual LBR value of less than 90 is unacceptable.~~

~~Plasticity (FM 1-T089 and FM 1-T090) - That portion of the material passing the No. 40 sieve shall be non-plastic.~~

~~Carbonates (FM 5-514) - The average percentage of carbonates of calcium and magnesium shall be 45%. Material represented by any individual carbonate and magnesium LOT average of less than 40.5% is unacceptable.~~

**~~915-4 Gradation requirements.~~**

~~Cemented coquina shall have the following gradation requirements:~~

| | |
|---|---|
| ~~Passing 3-1/2 inch sieve~~ | ~~97% (maximum dimension not to exceed 6 inches)~~ |
| ~~Passing No. 4 sieve~~ | ~~maximum 70%~~ |
| ~~Passing No. 200 sieve (dry weight)~~ | ~~maximum 20% (by washing)~~ |

**~~915-5 Exceptions, Additions and Restrictions.~~**

~~Other specification modifications, based on material usage, may be found in applicable Sections of the specifications, or revisions thereto.~~