

ORIGINATION FORM

Date: 10/10/12

Originator: Rick Renna, P.E.

Contact Information: (850) 414-4351, rick.renna@dot.state.fl.us

Specification Title: Rubble (Bank and Shore Protection)

Specification Section, Article, or Subarticle Number: Subarticle 530-2.2.1

Why does the existing language need to be changed? To ensure that local, sound material is available for use on medium and low energy waterways.

Summary of the changes: Reduce the rubble specific gravity from 2.3 to 2.2 and reduce the target weights to achieve the same gradation and blanket thickness of lighter stone.

Are these changes applicable to all Department jobs? Yes

If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? No

If yes, what is the estimated change in costs?

With who have you discussed these changes? Robert Robertson, P.E. & John Shoucair, P.E.

What other offices will be impacted by these changes? Materials, Construction

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

M E M O R A N D U M

DATE: October 25, 2012
TO: Specification Review Distribution List
FROM: Trey Tillander, State Specifications Engineer
SUBJECT: Proposed Specification: **5300202 Riprap.**

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

This change was proposed by Rick Renna of the State Roadway Design Office to ensure that local, sound material is available for use on medium and low energy waterways.

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 22, 2012**, may not be considered. Your input is encouraged.

TT/cah
Attachment

RIPRAP.
(REV 10-18-12)

SUBARTICLE 530-2.2.1 (Page 690) is deleted and the following substituted:

530-2.2.1 Rubble (Bank and Shore Protection): Provide sound, hard, durable rubble, free of open or incipient cracks, soft seams, or other structural defects, consisting of broken stone with a bulk specific gravity of at least 2.320. Ensure that stones are rough and angular.

For this application, use broken stone meeting the following gradation and thickness requirements:

Weight Maximum Pounds	Weight 50% Pounds	Weight Minimum Pounds	Minimum Blanket Thickness in Feet
6700	30290	60	2.5
Ensure that at least 97% of the material by weight is smaller than Weight Maximum pounds]. Ensure that at least 50% of the material by weight is greater than Weight 50% pounds]. Ensure that at least 85% of the material by weight is greater than Weight Minimum pounds.			