

## **ORINATION FORM**

Date: September 17, 2013

Originator: Ben Watson

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Specification Title: **Stabilization Materials**

Specification Section, Article, or Subarticle Number: **914**

Why does the existing language need to be changed? **The change reflects changes to Senate Bill 682 and Florida Statute 403.7047**

Summary of the changes: **Fossil Fuel Combustion Products are allowed as Stabilization Materials provided they meet the requirements of Florida Statute 403.7047.**

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? **Not known**

If yes, what is the estimated change in costs?

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

What other offices will be impacted by these changes?

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

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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## *Florida Department of Transportation*

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**ANANTH PRASAD, P.E.**  
SECRETARY

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

**DATE:** September 26, 2013  
**TO:** Specification Review Distribution List  
**FROM:** Daniel Scheer, P.E., State Specifications Engineer  
**SUBJECT:** Proposed Specification: **9140000 Stabilization Materials.**

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

This change was proposed by Ben Watson of the State Materials Office to reflect changes to Senate Bill 682 and Florida Statute 403.7047, that allow Fossil Fuel Combustion Products (FFCPs) as Stabilization Materials provided they meet the requirements of Florida Statute 403.7047.

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 SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **October 28, 2013**, may not be considered. Your input is encouraged.

DS/cah  
Attachment

**STABILIZATION MATERIALS.**(REV 9-~~23~~~~17~~-13)

SECTION 914 is deleted and the following substituted:

**SECTION 914**  
**STABILIZATION MATERIALS**

**914-1 General.**

This Section governs materials to be used in subgrade stabilization. Meet the following requirements:

Plasticity Index (AASHTO T90)	Maximum 10
Liquid Limit (AASHTO T89)	Maximum 40
Passing a 3-1/2 inch screen (AASHTO T27)	Minimum 97%
LBR	No Requirement

**914-2 Materials for Stabilizing (Limerock Bearing Ratio-LBR).**

**914-2.1 Commercial Materials:** Materials may be either limerock, shell rock, cemented coquina or shell base sources approved in accordance with 6-2.3.

**914-2.2 Local Materials:** Local materials used for stabilizing may be soils or recyclable materials such as crushed concrete, roof tiles and asphalt coated base, ~~or~~ reclaimed pavement *or Fossil Fuel Combustion Products (FFCPs)* provided the following limits for organic content are met.

Average Organic Content* (FM 1-T267)	Maximum 2.5%
Individual Organic Content Sample (FM 1-T267)	Maximum 4%

\*Note: A minimum of three samples per source.  
 If the organic content exceeds the allowable values and RAP or RAP-blended material is used as stabilizing material, the Engineer may allow FM 5-563 (with the exception of gradation analysis) in lieu of FM 1-T267 after mixing. The maximum allowable test result is 4.7%.

*FFCPs may be used provided they meet the requirements of 403.7047, F.S., are not used outside the paved area ~~or within three~~ and are not less than 3 feet above ~~of~~ the design high groundwater table. All materials for stabilizing must meet all applicable air or water quality standards or criteria in Florida Department of Environmental Protection (FDEP) rules. Materials that contain hazardous substances or contaminants shall not be used.*

~~If toxic substances, elements or compounds are suspected to exist at concentrations exceeding limits defined by the Environmental Protection Agency (EPA), qualifying tests shall be performed. Test methods for these substances shall be those mandated by EPA and analyzed by a certified laboratory.~~