

# ORINATION FORM

## Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date:

Office:

Originator:

Specification Section:

Telephone:

Article/Subarticle:

email:

Will the proposed revision require changes to:

Publication	Yes	No	Office Staff Contacted
Standard Plans Index			
Traffic Engineering Manual			
FDOT Design Manual			
Construction Project Administration Manual			
Basis of Estimate/Pay Items			
Structures Design Guidelines			
Approved Product List			
Materials Manual			

Will this revision necessitate any of the following:

Design Bulletin

Construction Bulletin

Estimates Bulletin

Materials Bulletin

Are all references to external publications current?

Yes

No

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs?

Yes

No

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.

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**MEMORANDUM**

**DATE:** November 8, 2018  
**TO:** Specification Review Distribution List  
**FROM:** Dan Hurtado, P.E., State Specifications Engineer  
**SUBJECT:** Proposed Specification: **2850300 Optional Base Course.**

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 modify the language.

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/ProgramManagement/Development/IndustryReview.aspx> . Comments received after **December 6, 2018**, may not be considered. Your input is encouraged.

DH/dt  
Attachment

**OPTIONAL BASE COURSE.**  
**(REV 10-29-18)**

ARTICLE 285-3 is deleted and the following substituted:

**285-3 Selection of Base Option.**

The Plans will include typical cross-sections indicating the various types of base construction (material and thickness) allowable.

When base options are specified in the Plans, use only those options. When base options are not specified, select one base option as allowed for each typical cross-section shown in the Plans. Only one base option is permitted for each typical cross-section. See Tables 285-1 and 285-2 for optional base materials, thickness and additional restrictions.

Notify the Engineer in writing of the base option selected for each typical cross-section at least 45 calendar days prior to beginning placement of base material.

Table 285-1: Optional Base Groups 1 through 7							
Base Materials	Base Group (Base Group Pay Item)						
	1 (701)	2 (702)	3 (703)	4 (704)	5 (705)	6 (706)	7 (707)
Limerock, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Cemented Coquina, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Shell Rock, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Bank Run Shell, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Recycled Concrete Aggregate, LBR 150 <sup>(1)</sup>	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Graded Aggregate Base, LBR 100	4-1/2"	5-1/2"	6-1/2"	7-1/2"	8-1/2"	9"	10"
Type B-12.5	4" <sup>(3)</sup>	4" <sup>(3)</sup>	4" <sup>(3)</sup>	4" <sup>(3)</sup>	4-1/2"	5"	5-1/2"
B-12.5 and 4" Granular Subbase, LBR 100 <sup>(2)</sup>	-	-	-	-	-	-	-
RAP Base <sup>(4)</sup>	5" <sup>(4)</sup>	-	-	-	-	-	-

(1) Do not use on interstate roadways.  
(2) The construction of both the subbase and Type B-12.5 will be bid and used as Optional Base. Granular subbases include limerock, cemented coquina, shell rock, bank run shell, recycled concrete aggregate and graded aggregate base. All subbase thicknesses are 4" minimum prior to adding the required prime coat.  
(3) Based on minimum practical thickness.  
(4) Only for use on non-limited access paved shoulders, shared use paths, or other non-traffic bearing applications.  
(5) To be used for widening, three feet or less.

Table 285-1(continued): Optional Base Groups 8 through 15								
Base Materials	Base Group (Base Group Pay Item)							
	8 (708)	9 (709)	10 (710)	11 (711)	12 (712)	13 (713)	14 (714)	15 (715)
Limerock, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Cemented Coquina, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Shell Rock, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-

Bank Run Shell, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14 <sup>(5)</sup>	-
Recycled Concrete Aggregate, LBR 150 <sup>(1)</sup>	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Graded Aggregate Base, LBR 100	11"	12"	13"	14"	-	-	-	-
Type B-12.5	5-1/2"	6"	6-1/2"	7"	7-1/2"	8"	8-1/2"	9"
B-12.5 and 4" Granular Subbase, LBR 100 <sup>(2)</sup>	-	4"	4-1/2"	5"	5-1/2"	6"	6-1/2"	7"
RAP Base <sup>(4)</sup>	-	-	-	-	-	-	-	-

(1) Do not use on interstate roadways.

(2) The construction of both the subbase and Type B-12.5 will be bid and used as Optional Base. Granular subbases include limerock, cemented coquina, shell rock, bank run shell, recycled concrete aggregate and graded aggregate base. All subbase thicknesses are 4" minimum prior to adding the required [with prime coat](#).

(3) Based on minimum practical thickness.

(4) Only for use on non-limited access paved shoulders, shared use paths, or other non-traffic bearing applications.

(5) To be used for widening, three feet or less.

Table 285-2: Limited Use Optional Base Groups<sup>(1)</sup>

Base Materials	Base Group (Base Group Pay Item)							
	101 (701)	102 (702)	103 (703)	104 (704)	105 (705)	106 (706)	107 (707)	108 (708)
Limerock Stabilized, LBR 70	5"	6-1/2"	8"	9"	10"	11"	12-1/2"	-
Shell, LBR 70	5"	6-1/2"	8"	9"	10"	11"	12-1/2"	-
Shell Stabilized, LBR 70	7"	8-1/2"	9-1/2"	10-1/2"	12"	-	-	-
Sand-Clay, LBR 75	5"	6-1/2"	8"	9"	10"	11"	12-1/2"	-
Soil Cement (300 psi) (Plant Mixed)	5"	5-1/2"	6-1/2"	7-1/2"	8-1/2"	9"	10"	11"
Soil Cement (300 psi) (Road Mixed)	5"	5-1/2"	6-1/2"	7-1/2"	8-1/2"	-	-	-
Soil Cement (500 psi) (Plant Mixed)	4" <sup>(2)</sup>	4"	5"	5-1/2"	6"	7"	7-1/2"	8-1/2"

(1) Use only when specified in the Plans.

(2) Based on minimum practical thicknesses.