



## *Florida Department of Transportation*

**RICK SCOTT**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**JIM BOXOLD**  
SECRETARY

January 13, 2015

Khoa Nguyen  
Director, Office of Technical Services  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: State Specifications and Estimates Office  
Section **290**  
Proposed Specification: **2900000 Granular Subbase.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by John Shoucair of the State Materials Office (SMO) to delete references to Sections 913, 913A and 915. The language in these Sections will be moved to Section 911 and the Sections deleted. Also, material and construction requirements for recycled concrete aggregate (RCA), currently in SP2040000, will be incorporated in Section 911 and Section 200, respectively. SP2040000 will be deleted.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965DS or [daniel.scheer@dot.state.fl.us](mailto:daniel.scheer@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on file

Daniel Scheer, P.E.  
State Specifications Engineer

DS/dt

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**GRANULAR SUBBASE.**(REV ~~11-4-14~~-13-14)

SECTION 290 is deleted and the following substituted:

**SECTION 290  
GRANULAR SUBBASE****290-1 Description.**

Construct a granular subbase as a component of an optional base.

**290-2 Materials.**

Select one of the materials listed below and conform to the following requirements:

Graded Aggregate .....	204-2
Limerock .....	Section 911
Bank Run Shell <del>Base</del> .....	Section 913 <del>1</del>
Shell Rock .....	Section 913 <del>A1</del>
Cemented Coquina .....	Section 915 <del>1</del>
<i>Recycled Concrete Aggregate (RCA)* .....</i>	<i>Section 911</i>
<i>*Do not use on interstate roadways.</i>	

**290-3 Construction Methods.**

For the subbase material selected, construct the subbase in conformance with the following:

<i>Graded Aggregate .....</i>	<i>Section 204</i>
Limerock .....	Section 200
Bank Run Shell .....	Section 200
Shell Rock .....	Section 200
Cemented Coquina .....	Section 200
<i>Recycled Concrete Aggregate (RCA)* .....</i>	<i>Section 200</i>
<del>Graded Aggregate .....</del>	<del>Section 204</del>
<i>*Do not use on interstate roadways.</i>	

Straightedge and hard-planing provisions will not apply. Compact the subbase to a minimum of 98% of the maximum density as determined under AASHTO FM 1 T-180, Method D. Priming is not required.

When Granular Subbase is substituted for Subgrade on shoulders, achieve a minimum of 95% density of the maximum density as determined under AASHTO FM 1 T-180, Method D.

**290-4 Thickness Requirements.**

**290-4.1 General:** Do not substitute granular subbase materials in excess of the tolerance specified for the asphalt portion of the optional base.

**290-4.2 Measurements:** When the Department is ready to measure the finished subbase, provide the coring equipment and the operator and include this in the unit price for optional base. The Engineer will select the coring locations and make the acceptance measurements. Thickness measurements will be taken through 3 inch diameter holes. For subbase areas greater than 1,000 yd<sup>2</sup>, the minimum frequency of measurement will be one per 200 feet of roadway. For

smaller subbase areas, the minimum frequency of measurement will be one per 500 yd<sup>2</sup> of subbase.

**290-4.3 Maximum Allowable Thickness:** The maximum allowable thickness of the subbase is 4 1/4 inches. Remove and replace areas of subbase exceeding the maximum allowable thickness.

**290-4.4 Minimum Allowable Thickness:** The minimum allowable thickness of the subbase is 3 1/2 inches. Remove and replace areas not meeting the minimum allowable thickness. If authorized by the Engineer, additional asphalt may be substituted to achieve the full combined optional base thickness.

**GRANULAR SUBBASE.****(REV 1-13-14)**

SECTION 290 is deleted and the following substituted:

**SECTION 290  
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Bank Run Shell .....	Section 911
Shell Rock.....	Section 911
Cemented Coquina.....	Section 911
Recycled Concrete Aggregate (RCA)* .....	Section 911

\*Do not use on interstate roadways.

**290-3 Construction Methods.**

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Graded Aggregate .....	Section 204
Limerock .....	Section 200
Bank Run Shell .....	Section 200
Shell Rock.....	Section 200
Cemented Coquina.....	Section 200
Recycled Concrete Aggregate (RCA)* .....	Section 200

\*Do not use on interstate roadways.

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