



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
INTERIM SECRETARY

February 28, 2007

Dr. Leslie McCarthy, PhD, P.E.
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 290
Proposed Specification: 2900000 Granular Subbase

Dear Dr. McCarthy:

We are submitting, for your approval, two copies of a proposed Special Provision for Granular Subbase.

This change was proposed by Tom Malerk of the State Materials Office to for general clean-up and specification update.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

Signature on File

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/ft

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

GRANULAR SUBBASE(REV ~~11-1-06~~**2-12-07**)

SECTION 290 (Pages 229 – 230) 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	Section 913
Shell Rock	Section 913A
Cemented Coquina	Section 915

290-3 Construction Methods.

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

Limerock	Section 200
Bank Run Shell	Section 200
Shell Rock	Section 200
Cemented Coquina	Section 200 4
Graded Aggregate	Section 204

Straightedge and hard-planing provisions will not apply. Compact the subbase to ~~an average of not less than~~ *a minimum of* 98% of the maximum density as determined under ~~FM 5-521 AASHTO FM 1-T 180, Method D. the specified density. The minimum acceptable density at any location within the subbase is 95% of maximum density. The highest density used in calculating the average density will be 100% of the maximum density.~~

—— 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. Notify the Ee

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 yd², 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 yd² 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 2-12-07)**

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GRANULAR SUBBASE**

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Cemented Coquina.....	Section 915

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Shell Rock.....	Section 200
Cemented Coquina.....	Section 200
Graded Aggregate	Section 204

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.

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