

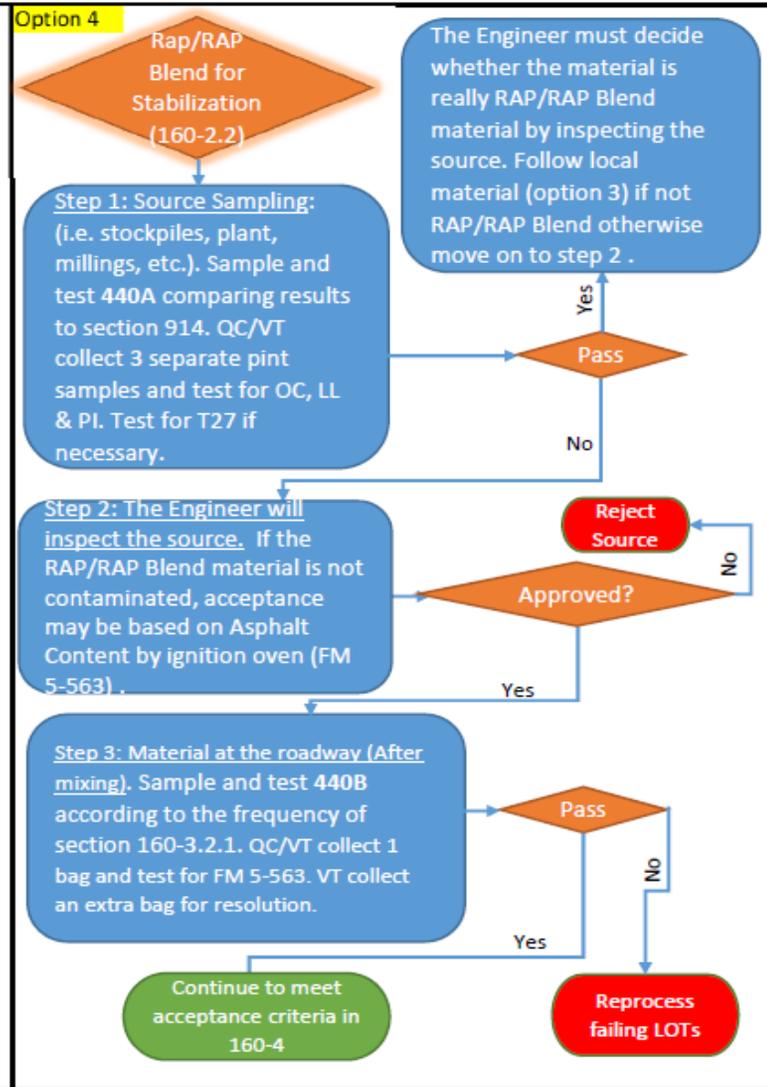
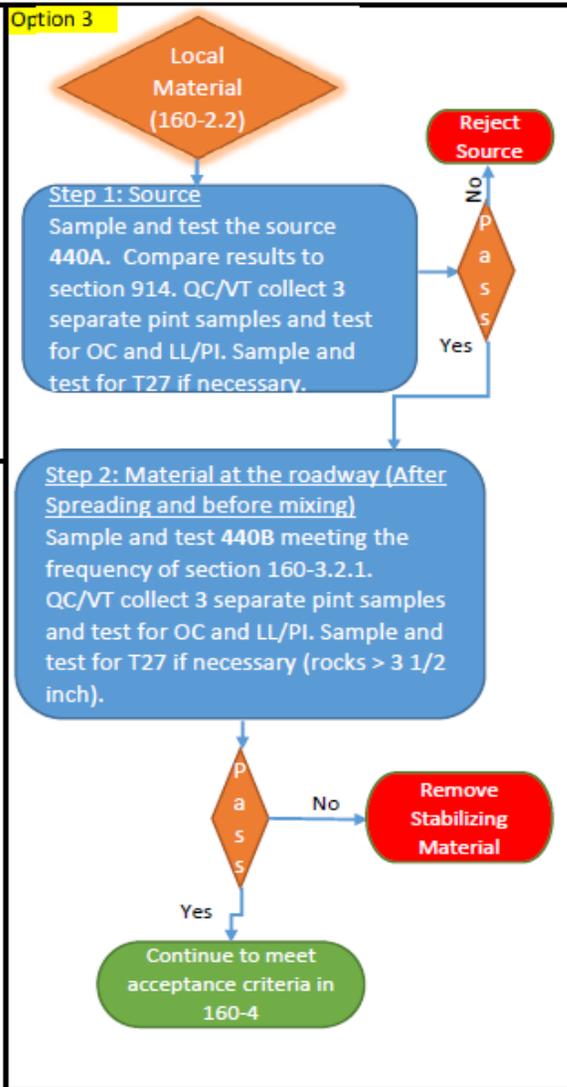
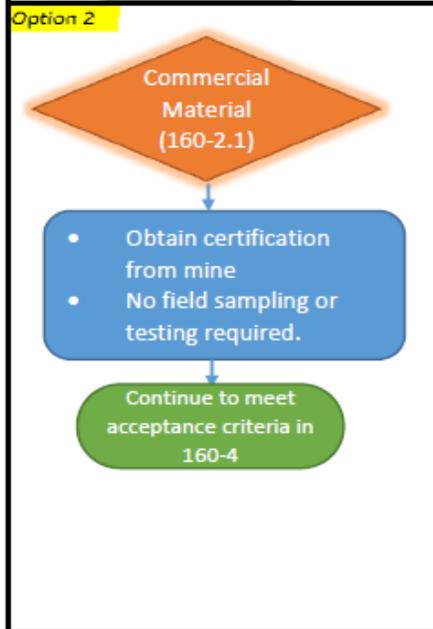
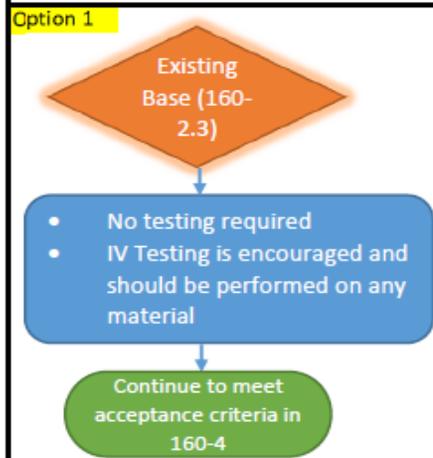
Material ID 004L
Section 120 - Excavation and Embankment
Section 125 - Excavation for Structure and Pipe

Test Method	Description	Sample Size	QC	VT
AASHTO T99, Method C	Standard Proctor	2 bags	1 per soil type	1 per soil type
AASHTO M145	Classification of Soils		1 per Standard Proctor Maximum Density	1 per Standard Proctor Maximum Density
AASHTO T88	Particle Size Analysis - By Wash - Hydrometer not required		1 per soil type	1 per soil type
*AASHTO T89	Liquid Limit			
AASHTO T90	Plastic Limit			
FM1-T267RAW/AVG	Organics	3 individual pint sized samples	Engineer's Option	Engineer's Option
FM 1-T 180	Modified Proctor		Engineer's Option	Engineer's Option
*NOTE: T89 is required when the material has a plastic limit.				
<i>Organic Content sample requires a minimum of three pint sized samples collected across the roadway. Do not mix individual samples in the field. The Engineer may require sampling depending on the project location, location in the roadbed, and visual observation of the material.</i>				
Sample Numbering	E001Q, E001V, E001I			

Material ID 440A - (Source)				
Section 160-2.2 Local Materials				
Test Method	Description	Sample Size	QC	VT
ASSHTO T 27	Gradation (minimum - 97% passing the 3.5 in. sieve)	2 bags	Engineers Option	Engineers Option
FM1-T267	Organic Content	3 - 1 pint samples	one per source	one per source
*AASHTO T89	Liquid Limit			
AASHTO T90	Plastic Limit			
Unless required by the Engineer, these requirements do apply to material from an existing base				
Sampling and testing is required for "Local Materials" with the properties described in Section 914-2.2				
AASHTO T 27 is required when particles that appear to be greater than 3 1/2 inches are observed.				
Enter Organic Content Samples in LIMS test FM1-T267RAW. LIMS test code FM1-T267AVG is automatically populated				
*NOTE: T89 is required when the material has a plastic limit.				
Sample Numbering C001Q, C001V, or C001I...etc				

Material ID 440B - (Roadway)				
Section 160-3.2.2 Sampling and Testing of Local Material				
Test Method	Description	Sample Size	QC	VT
ASSHTO T 27	Gradation (minimum - 97% passing the 3.5 in. sieve)	2 bags	Engineers Option	Engineers Option
FM1-T267	Organic Content	3 - 1 pint samples	one per two LOTS	one per eight LOTS
*AASHTO T89	Liquid Limit			
AASHTO T90	Plastic Limit			
Sampling and testing is required for "Local Materials" with the properties described in Section 914-2.2				
Unless required by the Engineer, these requirements do apply to material from an existing base				
AASHTO T 27 is required when particles that appear to be greater than 3 1/2 inches are observed.				
Enter Organic Content Samples in LIMS test FM1-T267RAW. LIMS test code FM1-T267AVG is automatically populated				
*NOTE: T89 is required when the material has a plastic limit.				
Sample Numbering C001Q, C001V, or C001I...etc				

Evaluation of Stabilization Materials



Material ID 020L Section 160 - Stabilizing				
Test Method	Description	Sample Size	QC	VT
FM1-T180	Modified Proctor	6 bags split 2 each for QC/Vt/Res	1 per 2 consecutive lots	1 per 8 consecutive lots (split sample)
FM 5-515	Limerock Bearing Ratio (LBR)	VT Independently samples 2 bags from the roadway	1 per 2 consecutive lots/QC tests the proctor (split sample)	**1 per 8 consecutive LOTs
*AASHTO T89	Liquid Limit		Not required	
*AASHTO T90	Plastic Limit			
*AASHTO T88	Wash Gradation - Hydrometer is not required			
*AASHTO M145	soil classification			
* *Required when "Local Materials" to ensure the requirements of Section 914 are met.				
Verification LBR Sample Numbering	L006V, The sample number is based on the lot that the sample is taken from, for example L006V is taken from lot 6. The sample number corresponds with the lot the sample was taken from			
Proctor Sample Numbering	S001Q, S002Q, or S001V...etc. The verification sample number is based on the sample that the QC split sample.			
When Limerock is used in lieu of subgrade, and from an approved mine, follow the table for Material ID 032L; Section 200 of the Standard Specifications. Use material code 032L for coding and payment. Make sure the approved mine number is entered when the sample is logged in and a note is placed in remarks "Limerock in lieu of subgrade" Use Proctor Sample Numbering : "S001Q, S002Q, or S001V...etc. The verification sample number is based on the sample that the QC split sample."				

Material ID 032L - Aggregate Base Materials - Section 200 & 285
Section 200.2, 204, - Reuse Existing Rock Base, Graded Aggregate Base, & Rock Base (Limerock)

FM 1-T180, Method D	Modified Proctor	2 bags	1 per 8 consecutive lots	1 per 16 consecutive lots
Pass No. 4 sieve				

Special Approval - Section 200.2 - Reuse Rock

Test Method	Description	Sample Size	QC	VT
FM 5-515	LBR	2 bags	3 per *Stockpile	3 per *Stockpile
AASHTO T89	Liquid Limit			
AASHTO T90	Plastic Limit			
FM 1-T011	Sieve Analysis (-200) by wash			

Approve each Stockpile - Maximum allowable stockpile 1000 cubic yards

Request approval through Project Administrator to District Materials Engineer

Section 200.7.3 - PIT PROCTOR

Test Method	Description	Sample Size	QC	VT
FM 1-T180, Method D	Modified Proctor	2 bags	1 per Quarter - Data Entry Only	1 per 16 consecutive lots
Pass No. 4 sieve				

****See sample guidance on the next page***

Material ID 054

Section 283 - Reclaimed Asphalt Pavement Base

Test Method	Description	Sample Size	QC	VT
FM 1-T180, Method D	Modified Proctor	2 bags	1 per 8 consecutive lots	1 per 16 consecutive lots
Pass No. 4 sieve				

Material must be from an FDOT Project

Materials from Section 913, 913A, & 915 - Shell, Shell Rock, & Cemented Coquina Shell Material Additional Requirements

Test Method	Description	Sample Size	QC	VT
AASHTO T-27	Gradation on #4 sieve with "shell sieve" before crushing	Run before testing for Proctor	1 per 8 consecutive lots	1 per 16 consecutive lots
FM 1- T011	Wash Gradation			

Record Gradation (pass 3.5 inch sieve and pass No. 4 sieve) as part of sample preparation.

Sample Numbering	R001Q, R001V, or R001I...etc..
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3. Special Directions for entering Pit Proctor data into LIMS

For Projects that are let prior to September 1, 2014

- Project personnel need to then send an email to LIMS help desk to request the Pit Proctor Material ID to be added to their project in LIMS. This attaches the correct test entry screens for the pit proctor.

Projects let prior to January 1, 2015

- Remind Project Personnel a change order is needed along with a QC plan submittal which includes the updated Pit Proctor worksheet and a commitment to notify the contractor every 16 LOTs.

For All Projects

○ Use the Pit Proctor Material ID:

- Material ID “032L”
- Spec year 201501
- Spec Authority “Spec 200 Pit Proctor”

○ **Do not use “MatID on Spec” in LIMS to enter Pit Proctors.**

- For the QC quarterly samples entered in LIMS,
 - Enter the quarter date range in the remarks section
 - leave this sample open (at validation) so they can entered the lot numbers represented at the end of the quarter. – Otherwise a request will have to be made to roll the sample back so the LOTs can be entered.

Leave “sampled by” blank for QC

QC enters Maximum Density and % Optimum Moisture only in test result

(VALIS)

Sample Id:	1400142021	Sample Status:	VALIDATED	Notes?	
Project:	43066525201	Pay Item:	2 999 2	QC Plan:	
Sample Level:	Q	Spec Year:	201501	Material:	032L
Authority:	Spec 200 Pit Proctor	Lab Id:	105012	Sample Number:	BP002Q
		Routed To:		Lab Due Date:	10/27/2014
Sampled By:	B43179671-000			Process Due Date:	10/27/2014
Validation Status:	V	# of Replicates on Retest:		Date Sample Taken:	10/01/2014
Validation Comment:					
Logger Remarks					
	QUARTER: 10/1/2014 TO 12/31/2014				

FM1-T180PP	FM1-T180 Pit Proctor	PV
Results Entered By:	KNUESSB	On 10/27/2014
Performed By:		On
		Lab/Tech Qual Status:
Component:	Maximum Density	116.00
Limits:	No limits specified	bs/ft3
	@ Percent Moisture	13.00
	No limits specified	%
Comment:		

For the IV samples (1 per 16 LOTS)

IV enters "Sampled By" and "Tested By"

IV enters the LOTS represented by the sample.

IV laboratory performs the FM T-180 test and enters the test results in test FM1-T180CQR

Close IV LOTS at the end of the quarter and start counting LOTS at the beginning of the next quarter.

Material ID 092L
Section 145 - Geosynthetic Reinforcement

Test Method	Description	Sample Size	QC	VT
FM1-T180	Modified Proctor	2 bags	1 per soil type	1 per soil type
AASHTO T89	Liquid Limit			
AASHTO T90	Plastic Limit			
AASHTO M145	Classification of Soils			
AASHTO T27 & FM 1-T 011	Gradation/ Sieve Analysis (-200) by hand wash		1 per Maximum Density	1 per Maximum Density
FM1-T267RAW/AVG	Organics	*3 - 1 pint bags	Average of 3 per soil type	Average of 3 per soil type
FM 5-550A or FM 5-550B	PH - no metal PH - metal	1 bag minimum size about 2.2 lbs	1 per soil type	1 per soil type
Sample Numbering	G001Q, G001V, or G001I...etc.			

*NOTE: T89 is required when the material has a plastic limit.

*NOTE: FM1-T267RAW/AVG requires three separate sub samples submitted to the laboratory. Do not mix in the field.

Samples for corrosion testing must be placed in a plastic bag with the excess air squeezed out immediately after sampling. If there is metal in the backfill the allowable limits in LIMS are reported for pH results recorded in FM 5-550B

Material ID 092L
Section 548 - Retaining Wall Systems

Test Method	Description	Sample Size	QC	VT
FM1-T180	Modified Proctor	2 bags	1 per soil type	1 per soil type
AASHTO T89	Liquid Limit			
AASHTO T90	Plastic Limit			
AASHTO M145	Classification of Soils			
AASHTO T27 & FM 1-T 011	Gradation/ Sieve Analysis (-200)		1 per Maximum Density	1 per Maximum Density
FM1-T267RAW/AVG	Organics	*3 - 1 pint bags	Average of 3 per soil type	Average of 3 per soil type
FM 5-550A FM 5-550B FM 5-551 FM 5-552 FM 5-553	PH - no metal PH - metal Resistivity of soil & water Chloride in soil & water Sulfate in soil & water	1 bag minimum size about 2.2 lbs	1 per soil type	1 per soil type
Sample Numbering	M001Q, M001V, or M001I...etc.			

*NOTE: T89 is required when the material has a plastic limit.

*NOTE: FM1-T267RAW/AVG requires three separate sub samples submitted to the laboratory. Do not mix in the field.

Samples for corrosion testing must be placed in a plastic bag with the excess air squeezed out immediately after sampling.

Material ID 330

Section 987 - Prepared Soil Layer Materials

Test Method	Description	Sample Size	QC	VT
FM1-T267	Organics	1 - 1/2 pint bag	1 per LOT	1 per 4 LOTs
FM 5-550	PH	1 bag minimum size about 2.2 lbs		
Sample Numbering	T001Q, T001V, or T001I...etc.			

1 LOT = 0.5 shoulder miles

[Special Sampling Instructions](#)

Samples must be placed in a plastic bag with the excess air squeezed out immediately after sampling to comply with pH sampling Requirements.