

**Virginia Department of Transportation  
Soils and Aggregate Compaction School  
2012**

**First Day**

7:30 - 8:00	Registration	Dist. Personnel
8:00 - 9:00	Chapter 1 Characteristics of Soils and Their Relationship to Compaction of Soils	John Schuler
9:00 - 11:30	Chapter 2 Construction and Testing of Embankment	John Schuler
11:30 - 12:30	Lunch	
12:30 - 2:30	Chapter 3 Construction and Testing of Subgrade	John Schuler
2:30 - 4:30	Chapter 4 Installation and Testing of Pipe Backfill	Tim Edwards

**Second Day**

8:00 - 10:30	Chapter 5 Establishing Target Densities	Duane Sayre
10:30 - 11:30	Chapter 6 Field Density Testing	Duane Sayre
11:30 - 12:30	Lunch	
12:30 - 4:30	Chapter 6 Field Density Testing	Duane Sayre

**Third Day**

8:00 - 11:30	Chapter 7 Correcting Density Tests for Material Retained on the No. 4 Sieve	Duane Sayre
11:30 - 12:30	Lunch	
12:30 - 4:30	Chapter 8 Roller Pattern, Control Strip and Test Section	

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**Test:** Open book - 50 multiple choice (20 come from the 8 math problems)  
**Grading:** Must score 70% or better to pass

**Exam Results:** Exams will be graded within two weeks. Exam results can be found on-line on VDOTU. Non-VDOT students should go to <https://virtualcampus.vdot.virginia.gov/external>

**To be Certified:** Students must successfully pass this exam and a proficiency test by Dec. 31, 2012 in the following areas: One Point Proctor, Field Moisture Testing, Speedy Moisture Testing, Sand Cone, Direct Transmission, Roller Pattern, Control Strip and Test Section. Proof of successful completion of proficiency tests will be sent to the Central Office Materials Division Training Section by the examiner.

**Note:** All students must provide proof that they have passed an NRC approved Nuclear Safety Training Course prior to proficiency testing.

To schedule a proficiency test contact Materials Certification Training Section at (804)328-3158.



**SOILS AND AGGREGATE  
FIELD CERTIFICATION  
STUDY GUIDE  
2012**

Prepared by: The Virginia Department of Transportation, Materials Division

**Note:** The information included in this manual is generally compatible with current VDOT Specifications and instructions; **however, it should not be considered a source book for specifications.** For Specifications, consult the current or applicable Road and Bridge Specification Book.



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