PREFACE

This manual has been prepared as a practical guide for VDOT Technicians, Inspectors and Contractors in the program area. 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 VDOT Road and Bridge Specification book. This manual should be used as a guide and a reference to supplement the Specifications and the reader’s knowledge.
Certification Requirements

Pass Written Examination -

• Show photo identification before taking exam
• Sign Technician Certification Application
• Open book - 39 multiple choice questions and completing a TL-52A
• Three hours are allowed for the exam.
• Passing score is 70 - one retest is allowed.
• Complete by December 31, 2014

Pass Proficiency Test -

• To schedule proficiency testing, contact Materials Certification Training at (804)328-3158, or if someone with your company is a proficiency checker you may schedule with them.
• Show photo identification
• Demonstrate applicable aggregate tests methods (see Appendix E)
• Complete by December 31, 2014 after passing written exam.

Tests results and card are found at the VDOT University website listed below.

VDOT Employees: https://virtualcampus.vdot.virginia.gov
All other students: https://virtualcampus.vdot.virginia.gov/external

If you are enrolled in this class, do not register as a new user.
If you do not know your logon or password, call (804) 328-3158.
Virginia Department of Transportation
Aggregate Plant Certification School

Day 1

7:30 – 8:00 Registration
8:00 – 8:15 Introduction
8:15 – 9:00 Stockpiling Video

9:00 – 11:00 Chapter 2 - Quality Assurance
Producer & VDOT Responsibilities
Bill Jenkins

11:00 – 11:30 Chapter 2 - Stratified Random Sampling
Bill Jenkins

11:30 – 12:30 Lunch

12:30 – 3:00 Chapter 3 - Testing of Aggregates
Wayne Melton

3:00 - 4:00 Chapter 3 - Atterberg Limits
Debra Martin

Day 2

8:00 – 9:00 Chapter 3 - Optimum Moisture
Debra Martin

9:00 – 11:00 Chapter 4 - Acceptance of Materials
Lot Adjustments
Bill Jenkins

11:00 – 11:30 Appendix A - Automated Data Processing
Debra Martin

11:30 – 12:30 Lunch

12:30 - 1:00 Chapter 5 - Modified Acceptance
Wayne Melton

1:00 – 1:30 Appendix C - Titration
Wayne Melton

1:30 - 4:30 Proficiency Demonstrations

Day 3

8:00 - 11:00 Exam
Table of Contents

Chapter 1
Introduction 1-1 - 1-7

Chapter 2
Quality Assurance Program 2-1 - 2-19

Chapter 3
Sampling and Testing 3-1 - 3-31

Chapter 4
Acceptance of Material 4-1 - 4-24

Chapter 5
Modified Acceptance Program 5-1 - 5-12

Appendix A
Automated Data Processing Forms A-1 - A-3

Appendix B
Pay Quantities B-1 - B-2

Appendix C
VTM-40, Titration and Plant Calibration-Cement C-1 - C-27

Appendix D
Answers to Problems and Questions D-1 - D-21

Appendix E
Test Procedures E-1 - E-74
The Certification Training School would like to express their appreciation to all the people in the Department and Industry who have helped with the publication of this manual. It is through their dedicated effort that the Certification Program continues to be the standard for other programs to follow.