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CHANGE LETTER

MATERIALS TESTING MANUAL	CHANGE LETTER NO. 19
SUBJECT: Title Page, Table of Contents, Arizona Test Methods 225a, 238a, 245, 315, 410c, 427, 502b, 512a, 702a, 712, 733, 734, 735, 736, 819a, and 825a, Series 900, Series 1000, and Appendix A3.	EFFECTIVE DATE: October 1, 1999

SUMMARY:

NOTE: Changes issued under this Change Letter will be effective for projects with a bid opening date on or after October 1, 1999.

1. TITLE PAGE - The Title Page has been revised to show the latest Change Letter number and revision date. Please replace the existing Title Page with the attached.
2. TABLE OF CONTENTS - The Table of Contents has been revised to reflect the changes made in this Change Letter. Please replace the existing Table of Contents with the attached.
3. The following item is deleted by this Change Letter:

Arizona Test Method 712, "VOLUMETRIC DETERMINATION OF CALCIUM OXIDE CONTENT IN HYDRAULIC CEMENTS, CONCRETE, AND CEMENT TREATED BASE MATERIALS".
4. The following items are added by this Change Letter:

Arizona Test Method 315, "PRECAST MORTAR BLOCKS TEST".

Arizona Test Method 427, "ASPHALT BINDER CONTENT OF ASPHALTIC CONCRETE MIXTURES BY THE IGNITION FURNACE METHOD".

This test method replaces all previous Interim editions of this procedure.

Arizona Test Method 733, "SULFATE IN SOILS".

Arizona Test Method 734, "DETERMINATION OF PORTLAND CEMENT CONTENT IN CEMENT TREATED BASE MATERIAL".

Arizona Test Method 735, "TESTING OF THERMOPLASTIC PAVEMENT MARKING MATERIAL".

Arizona Test Method 736, "CHLORIDE IN SOILS".

5. The following items are revised by this Change Letter. Please replace the respective existing items with the attached.

Arizona Test Method 502b, "PERCENTAGE OF UNCOATED PARTICLES USING ASPHALT EMULSIONS".

Arizona Test Method 512a, "RESIDUE BY EVAPORATION".

Arizona Test Method 702a, "TESTING OF PAINT, VARNISH, LACQUER, AND RELATED MATERIAL".

Arizona Test Method 819a, "DESIGN OF EXPOSED AGGREGATE SEAL COATS".

Arizona Test Method 825a, "METHOD OF TEST FOR DETERMINING THE QUANTITY OF ASPHALT REJUVENATING AGENT REQUIRED FOR AN ASPHALTIC PAVEMENT".

Series 900, "MATERIALS QUALITY ASSURANCE PROGRAM".

This replaces the previous Series 900 of the Materials Testing Manual entitled "Sampling Guide Schedule".

A new index tab is also provided to replace the previous "Sampling Guide Schedule" index tab.

Series 1000, "CERTIFICATES".

Appendix A3, "EQUIPMENT CALIBRATION AND VERIFICATION".

6. In Arizona Test Method 225a, "MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE OF SOILS BY METHOD A PROCTOR, in section 7(b) please change "0.5 percent" to "0.1 percent". In section 7(c) of this test procedure, please change "0.5 lb./cu. ft." to "0.1 lb./cu. ft.".

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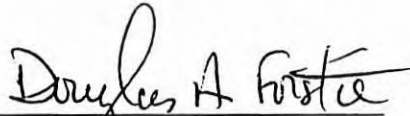
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7 When revisions to Arizona Test Method 238a, "PERCENT CARBONATES IN AGGREGATE", were made in Change Letter No. 18, a printing error occurred which needs to be corrected for several manuals. In section 4(b) of this test procedure, if your manual shows "H₂O (3% solution)", please change it to read "H₂O₂ (3% solution)".

8. In Arizona Test Method 245, "MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE OF SOILS BY ALTERNATE METHOD D PROCTOR, in section 7(b) please change "0.5 percent" to "0.1 percent". In section 7(c) of this test procedure, please change "0.5 lb./cu. ft." to "0.1 lb./cu. ft."

9. Several manuals have a typographical error in Arizona Test Method 410c, "COMPACTION AND TESTING OF BITUMINOUS MIXTURES UTILIZING 101.6 mm (FOUR INCH) MARSHALL APPARATUS". In section 2(c)(1) of this test procedure, if your manual shows "4563.0", please change it to read "4536.0".



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Attachments