



ARIZONA DEPARTMENT OF TRANSPORTATION * MATERIALS SECTION

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CHANGE LETTER

Table with 2 columns: MATERIALS TESTING MANUAL and CHANGE LETTER NO. 9. Includes SUBJECT, DATE OF ISSUE, and EFFECTIVE DATE.

SUMMARY

- 1. ARIZ 104b - "Sampling Bituminous Mixtures"
Changed Section 2.
2. ARIZ 201b - "Dry Preparation and the Sieving of Coarse and Fine Graded Soils and Aggregates"
Changed entire procedure except Sections 6, 7, and 10.
3. ARIZ 212d - "Percentage of Crushed Particles in Cover Material or Mineral Aggregate"
Changed title and Sections 1, 3, and 6.
4. ARIZ 233b - "Flakiness Index of Aggregate"
Changed all sections and figures.
5. ARIZ 240 - "Sieve Analysis and Separation of Salvaged AC Pavement Particles for Recycled Asphaltic Concrete"
New test which is added.
6. ARIZ 241 - "Compressive Strength of Molded Cement Treated Base or Soil Cement Specimens"
New test which is added.

Printing of this Publication
Authorized by:

Handwritten signature of Assistant Director

Assistant Director
Highways Division

For

7. ARIZ 242 - "Sand Equivalent Test for Mineral Aggregate for Asphaltic Concrete Friction Course"

New test which is added.

8. ARIZ 410a - "Compaction and Testing of Bituminous Mixtures with Marshall Apparatus"

Changed title and all sections.

9. ARIZ 415 - "Bulk Specific Gravity of Compacted Bituminous Mixtures"

This new test is issued as a modification of AASHTO T 166. There are references to AASHTO T 166 in the test manual, which will be changed in the future to reference to ARIZ 415. In the interim period, wherever a reference is made to AASHTO T 166, it shall be replaced with ARIZ 415.

10. Section 600 - Name of this Section has been changed to: "Cement and Related Materials"

The following test methods are added to the cover sheet: ASTM C 25 - "Chemical Analysis of Limestone, Quicklime and Hydrated Lime", and ASTM C 110 - "Physical Testing of Quicklime, Hydrated Lime and Limestone". Please replace the cover sheet and index tab divider for this section with attached sheets.

11. ARIZ 701 - "Testing Cold Applied Two Component Polysulfide Polymer Type Joint Sealing Compound"

This test is replaced by ASTM D 1850 - "Concrete Joint Sealer, Cold Application Type". Please delete ARIZ 701 from your manual. The cover sheet for Section 700 has been revised to include this ASTM test, please remove the cover sheet for this section and replace with attached sheet.

12. ARIZ 719 - Heating and Drying Materials in Micro-Wave Oven"

New test which is added.

13. Cover Sheet for Section 800 - "Design"

The following AASHTO Test Methods are listed on this sheet: AASHTO T 246 - "Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus", and AASHTO T 247 - "Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor".

14. ARIZ 815a - "Marshall Mix Design Method for Asphaltic Concrete"

This test incorporates the basic principles of the Marshall Determination of Resistance to Plastic Flow of Bituminous Mixtures (AASHTO T 245) in the procedure to be used in Design of Asphaltic Concrete mixes with Marshall apparatus, as indicated by the change in Title.

15. ARIZ 817a - "Mix Design Method for Asphaltic Concrete"

This test is deleted, please remove this procedure from the test manual.


16. ARIZ 825 - "Method of Test for Determining the Quantity of Asphalt Rejuvenating Agent Required for an Asphaltic Pavement"

New test which is added. NOTE: This test is used primarily for maintenance applications.

17. Section 900 - "Sampling Guide Schedule" (Nov. 1981)

This section was issued under Change Letter No. 8, but the date of issue was inadvertently left off the sheets. Please add the date "Nov. 1981" to all sheets in the Sampling Guide Schedule. This will allow reference for future revisions, assuring that current guidelines are being adhered to.

ATTACHMENTS: Table of Contents, ARIZ 104b, ARIZ 201b, ARIZ 212d, ARIZ 233b, ARIZ 240, ARIZ 241, ARIZ 242, ARIZ 410a, ARIZ 415, Cover Sheet and Index Tab for Section 600, Cover Sheet for Section 700, ARIZ 719, Cover Sheet for Section 800, ARIZ 815a, ARIZ 825.



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