



## CHANGE LETTER

MATERIALS TESTING MANUAL	CHANGE LETTER NO. 6
SUBJECT: Table of Contents, Introduction, Changes in the Materials Testing Manual, Glossary of Terms, Arizona Test Methods 101a, 102, 106, 401a, 402a, 403, 404, 405, 406b, 407b, 409, 410, 411 and 811, and AASHTO Test Methods T 2, 32, 110, 127, 166, 195 and 247.	DATE OF ISSUE: March 1980 EFFECTIVE DATE: March 1980

SUMMARYREVISIONS TO SECTION 100

1. Title of Section 100 changed from GENERAL to SAMPLING.
2. Removed Arizona Test Method number designations from ARIZ 101a - Changes in the Materials Testing Manual, and ARIZ 102 - Glossary of Terms. These items are removed from Section 100 and placed with the Introduction. (See the Table of Contents)
3. ARIZ 106 - Sampling Cement, replaced by AASHTO T 127 - Sampling Hydraulic Cement.
4. The following AASHTO Test Methods are added:
  - T 2 - Sampling Stone, Slag, Gravel, Sand, and Stone Block for Use as Highway Materials.
  - T 32 - Sampling and Testing Brick.

REVISIONS TO SECTION 400

1. ARIZ 401a - Specific Gravity and Density of Bituminous Mixtures, replaced by AASHTO T 166 - Bulk Specific Gravity of Compacted Bituminous Mixtures.
2. ARIZ 402a - Bitumen Content of Bituminous Mixtures by Vacuum Extraction. All sections changed and an alternate procedure added.
3. ARIZ 406b - Moisture in Bituminous Mixtures, shall be the same as AASHTO T 110 - Moisture or Volatile Distillates in Bituminous Paving Mixtures, Sections 2 through 5, except modification of Section 5.2.
4. ARIZ 407b - Determination of Bitumen Retained in Bituminous Mixtures, changed entirely except section 7.
5. ARIZ 410 - Compaction of Bituminous Mixtures with Marshall Apparatus, revised section 3(d). This test method was formerly designated as ARIZ 811.

6. The following new Arizona Test Methods are added:  
ARIZ 409 - Measuring the Weight of Scarified Bituminous Mixture by Unit Area.  
ARIZ 411 - Determination of Transverse Distributor Spread Rate.
7. The following AASHTO Test Methods are added:  
T 110 - Moisture or Volatile Distillates in Bituminous Paving Mixtures.  
T 195 - Determining Degree of Particle Coating of Bituminous - Aggregate Mixtures.  
T 247 - Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor.

DELETED TEST METHODS

The following test methods are obsolete, and should be extracted from the manual:

ARIZ 101a, 102, 106, 401a, 403, 404, 405, 811

Attachments: Table of Contents, Introduction, Changes in the Materials Testing Manual, Glossary of Terms, Cover Sheets for Sections 100 and 400, Arizona Test Methods 402a, 406b, 407b, 409, 410, 411.



G. J. Allen  
Engineer of Materials

Attach