

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
Transportation Laboratory
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Sacramento, California 95819-4612

**METHOD OF TEST FOR DENSITY (UNIT WEIGHT) OF FRESH CONCRETE****A. SCOPE**

This test method describes the procedure for determining the unit weight of freshly mixed concrete.

B. PROCEDURE

Conduct the test in accordance with ASTM C138/C138M-17a except for the following:

1. Replace Practice C172/C172M at each occurrence with Practice C172/C172M-17.
2. Replace Practice C231/C231M at each occurrence with Practice C231/C231M-17a except for the following:

Add to the beginning of Section 8.1.1: Type-B Meters must be used.

C. REPORTING OF RESULTS

When required by the contract documents, submit test results electronically in accordance with the DIMEXML format and guidance documents found at the following link:

<https://dime.dot.ca.gov/index.php?r=help/submittestresult>

D. HEALTH AND SAFETY

It is the responsibility of the user of this test method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. Prior to handling, testing or disposing of any materials, testers must be knowledgeable about safe laboratory practices, hazards and exposure, chemical procurement and storage, and personal protective apparel and equipment.

Refer to the Safety Manual for your Laboratory.

End of Text
(California Test 518 contains 2 pages)