

Kentucky Method 64-521-08  
Revised 04/01/08  
Supersedes KM 64-521-02  
Dated 11/18/02

UNCONSOLIDATED, UNDRAINED COMPRESSIVE STRENGTH OF  
COHESIVE SOILS IN TRIAXIAL COMPRESSION

Refer to *Standard Method Of Test For Unconsolidated, Undrained Compressive Strength Of Cohesive Soils In Triaxial Compression - AASHTO T 296-05* with the following additions and modifications:

Pocket penetrometer and/or Torvane tests shall be performed on each sample prior to testing and the results shall be recorded on the data sheets. For Torvane tests, the size of the vane used shall be indicated. These tests shall be performed on a portion of the sample that will be removed during the sample trimming process.

3.2.1: Failure shall be taken to correspond to the maximum principal stress difference (maximum deviator stress) attained or the principal stress difference (maximum deviator stress) at 15 percent axial strain.

7.1.3: Omit.

8.1.5: Values of load and deformation may be recorded at intervals of 30 seconds.

10.1: Calculation of the volume of solids, initial void ratio, and initial degree of saturation may be omitted.

10.4.3 & 10.4.4: Omit.

10.4.4.1: Calculation of the initial degree of saturation may be omitted.

11.1.2 to 11.1.4: May be omitted if presented on other data sheets or in other reports.

11.1.5: Void ratio and percent saturation may be omitted.

11.1.8: Replace "and the values of the effective minor and major principal stresses at failure" with "shall be reported as the undrained compressive strength,  $U_u$ . "

APPROVED

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DIRECTOR  
DIVISION OF MATERIALS

DATE

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04/01/08

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