

2016 Proficiency Sample & Testing Instructions



SB201, Strength Specialist and SB202, Compressive Strength Specialist

SB201 certified specialists are required to perform Tex-113-E, *Laboratory Compaction Characteristics and Moisture-Density Relationship of Base Materials*. SB202 certified specialists are required to perform Tex-113-E and Tex-117-E, Part II, *Accelerated Method for Triaxial Compression of Soils*. Tex-117-E, Part II is only required for individuals who are SB202 certified. Two samples are provided and only each individual certified specialist is responsible to conduct the required testing as stated above for each individual sample.

Tex-113-E, Laboratory Compaction Characteristics and Moisture-Density Relationship of Base Materials

1. Use all of the flexible base material for the samples provided to perform Tex-113-E. Each individual sample weighs 19.667 lbs.
2. Dry each sample in an oven heated to $230 \pm 5^\circ\text{F}$ to constant mass and let each sample cool to room temperature prior to any preparation and testing.
3. The moisture content for each individual sample is 5.1%.
4. The SCA system is required for the compaction of the samples provided. Save the raw data files produced by the SCA program for future reference.
5. Report all results from compaction and testing using only the SiteManager Form Tx113,4.xls that is available at the following website: <http://www.txdot.gov/inside-txdot/forms-publications/consultants-contractors/forms/site-manager.html>
6. Report results to the following accuracy:

Sample Height, in.	0.001
Wet Density, pcf	0.01
Moisture Content, %	0.1
Dry Density, pcf	0.01
SCA Data, lb-ft and in.	0.01

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Tex-117-E, Part II, *Accelerated Method for Triaxial Compression of Soils*

1. Perform Tex-117-E, Part II Section 11.6.4 for compressive strength testing.
2. Determine the compressive strength with 0 psi lateral pressure.
3. Report results using only the SiteManager Form Tx117.xls that is available at the following website:

<http://www.txdot.gov/inside-txdot/forms-publications/consultants-contractors/forms/site-manager.html>

4. Report results to the following accuracy:

Sample Height, in.	0.001
Wet Density, pcf	0.01
Moisture Content, %	0.1
Dry Density, pcf	0.01
SCA Data, lb-ft and in.	0.01
UC strength, psi	0.1

SB201 and SB201/SB202 certified specialists are required to submit their test results at: <http://www.txhmac.org>

If you have any questions, please call 512-312-2099

Failing to participate in this program will cause your certification to become inactive.

The deadline to submit your results is October 31, 2016.