2025 SB201 & SB202 PROFICIENCY INSTRUCTIONS

DUE DATE: November 3, 2025

This sample is for the 2025 Statewide Soils and Aggregates Proficiency Program. The SB201 or 202 Certified Specialist, to whom this sample is addressed, needs to receive it promptly so they can proceed with testing. SB Proficiency consists of one test for SB201 or two tests for SB202.

SB201 Certified Specialists:

Perform Tex-113-E.

SB202 Certified Specialists:

Perform Tex-113-E and Tex-117-E, Part II.

IMPORTANT NOTE: Soils and Aggregates Proficiency must be run independently by each SB201 & SB202 Specialist. All tests must be performed according to the applicable test procedures. Participation in the Proficiency Program is **mandatory**. Failure to participate will result in inactive certification.

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

1. Use the entire sample provided.
2. Dry the entire sample in a 230°F oven to constant weight.
3. Remove from oven and allow the sample to cool to room temperature.
4. Add 5.5% moisture to the dry sample.
5. The SCA system is required for the compaction of the sample provided.
6. Use Site Manager form tx113,4.xlsm.

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

1. Use the compacted sample from the above Tex-113-E testing.
2. Determine the compressive strength at 0 psi lateral pressure.
3. Use Site Manager form tx117.xlsm.

Access Site Manager forms to calculate test results at the following website: https://www.txdot.gov/inside-txdot/forms-publications/consultants-contractors/forms/site-manager.html.

Submit and upload test results by November 3, 2025, at www.txhmac.org.

Contact the HMAC at (512) 312-2099 if you have trouble logging in or submitting your results.

2025 SB201 & SB202 PROFICIENCY WORKSHEET

This worksheet will be used to hand calculate your 2025 Soils and Aggregate Proficiency results. Keep this worksheet until you have received the final proficiency report.

Submit and upload results by **November 3, 2025**, at www.txhmac.org.

CERTIFIED SPECIALIST			
SB201 CERTIFICATION #		***SB202 CERTIFICATION #**	

Tex-113-E	**Compaction Data**	Dry mass of material [0.001 lbs.]	
		Mass water added [0.001 lbs.]	
		Wet mass of specimen and mold [0.001 lbs.]	
		Tare mass of mold [0.001 lbs.]	
		Wet mass of specimen [0.001 lbs.]	
		Height of specimen [0.001 lbs.]	
		Volume per Linear mm [in.]	
		Volume of Specimen [0.0001 ft^3]	
		Wet Density of Specimen [0.1 pcf.]	
	Dry-Back Data	Wet Mass of Pan and Specimen [0.001 lbs.]	
		Dry Mass of Pan and Specimen [0.001 lbs.]	
		Tare Mass of Pan [0.001 lbs.]	
		Dry mass of Material [0.001 lbs.]	
		Mass of Water [0.001 lbs.]	
		Moisture Content [0.1%]	
		Dry Density [0.1 pcf.]	
	***Tex-117-E**	Unconfined Compressive Strength [Corrected Stress: 0.1 psi.]	
		Type of Press	☐ Automated Load Frame ☐ Screw Jack Press

	Lifts:	*1*	*2*	*3*	*4*
SCA DATA	Total Energy [0.01 ft-lbs.]				
	Average Energy/Lift [0.01 ft-lbs.]				
	Average Drop Height [0.01 in.]				
	Number of Blows				

Please list the **exact date** each of the following tests was performed:

Tex-113-E: _____ **Tex-117-E:** _____