

Asphalt Material Testing Lab

Sr. No.	Equipment Apparatus Name	Remarks
1.	Superpave Gyratory Compactor	
2.	Core Drill and Drill Bits	
3.	1.5 cu ft Oven for Asphalt Binder w/thermo	
4.	Servo-hydraulic HMA Mix Testing System	

5.	Universal Testing Machine	
6.	Four Point Bending Beam	
7.	Dynamic Shear Rheometer (Automatic)	
8.	Bending Beam Rheometer	

9.	Pressure Aging Vessel	 ZTE Blade A51s
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Geo Materials Testing Lab

Sr. No.	Equipment Apparatus Name	Remarks
1.	California Bearing Ratio Test	 The image shows the California Bearing Ratio (CBR) test apparatus. It consists of a wooden frame containing a cylindrical mold, a plunger, and a base. A long, thin metal rod is placed horizontally next to the frame. The apparatus is used to measure the strength of soil or aggregate materials.
2.	Consolidation Apparatus	 The image shows two consolidation apparatuses, labeled 'C-0035' and 'J-0010', mounted on a wooden table. Each apparatus consists of a blue base, a metal frame, and a cylindrical mold. They are used to study the consolidation behavior of soil samples under different loads.
3.	Direct Shear Apparatus	 The image shows a direct shear apparatus, labeled 'Direct Shear, Shear Test Apparatus'. It is a large, heavy-duty machine with a metal frame, a horizontal shear head, and a base. It is used to perform direct shear tests on soil samples to determine their shear strength.
4.	Laboratory Vane Shear Apparatus	 The image shows a laboratory vane shear apparatus, labeled 'L ZTE Blade A51s'. It is a smaller machine with a metal frame, a cylindrical mold, and a vane. It is used to perform vane shear tests on soil samples to determine their shear strength.

5.	Relative Density Apparatus	 A blue metal frame with a cylindrical container on top, used for measuring the relative density of soil. The container has a handle and is mounted on a base. The frame is labeled 'MATEST'.
6.	Point Load Index Tester	 A blue metal frame with a vertical rod and a cylindrical container, used for measuring the point load index of soil. The container is mounted on a base. The frame is labeled 'ZTE Blade A51s'.
7.	Automatic Direct Shear Test Apparatus	 A white and blue machine with a digital display and a cylindrical container, used for measuring the direct shear strength of soil. The machine is labeled 'SHEARLAB'.
8.	Point Load Testing Apparatus	 A blue metal frame with a vertical rod and a cylindrical container, used for measuring the point load index of soil. The container is mounted on a base. The frame is labeled 'ZTE Blade A51s'.

9.	Large Sieve Set with Shaker	
10.	Los Angeles Abrasion Test Apparatus	

Traffic Engineering Lab

Sr. No.	Equipment Apparatus Name	Remarks
	Oil Bath	
	Muffle Furnace (Automatic Digital Control)	
	Traffic Light Timer Control Device	
	Software	Vissum, Synchro, Vissim and Sidra