

This is a partial list of the most common laboratory tests. ASTM/CTM Standards are used as guidelines.

Soil
 Aggregate
 Concrete
 Asphalt

LABORATORY TESTING SERVICES

ASTM Test Methods				
		■	ASTM A615, Reinforcing Steel Tensile Test to #8	
		■	ASTM A615, Reinforcing Steel Bend Test to #8	
		■	ASTM C39, Concrete Compressive Strength	
		■	ASTM C78, Flexural Strength of Concrete	
		■	ASTM C140, CMU Strength, Unit Weight, Absorption	
		■	ASTM C780, Compressive Strength Mortar	
		■	ASTM C1019, Compressive Strength Grout	
		■	ASTM C1314, Compressive Strength Masonry Prisms	
■	■	■	ASTM C136, D422, Full Sieve with 200 Wash	
■			ASTM D422, Long Hydrometer Only (specific gravity not included)	
■	■		ASTM D422, Full Sieve with Long Hydrometer (specific gravity not incl.)	
■	■		ASTM D698, D1557, Compaction Curves (4-inch mold)	
■	■		ASTM D698, D1557, Compaction Curves (6-inch mold)	
■	■		ASTM D854, Specific Gravity	
■	■	■	ASTM C117, D1140, No. 200 Mesh Sieve Wash	
■			ASTM D2166, Unconfined Compression Shear Strength	
■	■		ASTM D2216, Oven Moisture Content	
■	■		ASTM D2419, Sand Equivalent	
■	■		ASTM D2434, Constant Head Permeability	
■	■		ASTM D2435, One-Dimensional Consolidation (per point)	
■	■		ASTM D2844, Resistance Value	
■	■		ASTM D2850, Unconsolidated, Undrained, Triaxial Shear Strength (per point)	
■	■		ASTM D2937, Density-Moisture	
■			ASTM D3080, Direct Shear Strength (3 points minimum)	
■			ASTM D4318, Atterberg Indices (Dry Method)	
■			ASTM D4546, One-Dimensional Settlement or Swell (per point)	
■			ASTM D4767, Consolidated, Undrained, Triaxial Shear Strength (per point)	
■			ASTM D4829, Expansion Index (UBC Expansion Index)	
■			ASTM D5084, Falling Head Permeability	
California Test Methods				
■	■	■	■	CTM 202, Sieve Coarse/Fine with Wash Vessel
		■	■	CTM 205, Percent of Crushed Particles
	■	■	■	CTM 206, Specific Gravity/Absorption Coarse Aggregate
	■	■	■	CTM 207, Specific Gravity/Absorption Fine Aggregate
	■		■	CTM 208, Apparent Specific Gravity of Fine Aggregate
■	■			CTM 216, Maximum Wet Density Determination
■	■	■	■	CTM 217, Sand Equivalent
■	■	■	■	CTM 226, Moisture Content by Oven
■	■	■		CTM 227, Evaluating Cleanness of Coarse Aggregate
	■	■		CTM 229, Durability Index
	■	■	■	CTM 234, Uncompacted Void Content of Fine Aggregate
	■		■	CTM 235, Percent of Flat and Elongated Particles
			■	CTM 308, Bulk Density Hot Mix Asphalt (HMA)
			■	CTM 309, Max Specific Gravity of HMA
			■	CTM 370, Moisture Content with Microwave
			■	CTM 382, Asphalt Content by Ignition Method
			■	Caltrans LP 2, Voids in Mineral Aggregate
			■	Caltrans LP 3, Voids Filled with Asphalt
			■	Caltrans LP 4, Dust Proportion