



Test Description	AASHTO	ASTM
<b>Soil And Rock Tests</b>		
Moisture Content	T265	D2216
Amount of Material Finer than #200 Sieve	n/a	D1140
Liquid and Plastic Limits	T89/T90	D4318
Shrinkage Limit by Wax Method	n/a	D4943
Specific Gravity of Soil	T100	D854
Particle Size Analysis of Soils (gradations between 3" to #200)	n/a	D6913
Particle Size Analysis of Soils including hydrometer analysis only (for gradations smaller than #200 sieve)	T88	D422
Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	n/a	D7928
Moisture-Density Relationship (Standard or Modified Proctor)	T99/T180	D698/D1557
California Bearing Ratio, one point	T193	D1883
Density (Unit Weight) of Undisturbed Tube Sample	n/a	D7263
Determination of Organic Content in Soils by Loss on Ignition	T267	D2974
Extrusion and Logging of Undisturbed Tube Samples, each shelly tube, including pictures	n/a	n/a
Remolding soil samples for UC, UU, CU, DS, Consolidation, & Flexible Wall Permeability Tests.	n/a	n/a
Unconfined Compressive Strength - Soil	T208	D2166
Simple Direct Shear - 2.5 inch circular sample, 3 normal loads	T236	D3080
Residual Direct Shear - 2.5-inch circular sample, USACE Method, 3 normal loads	EM1110-2-1906	
Triaxial Compression - U.U. - Undisturbed Sample, Per Point, 2.8-inch samples	T296	D2850
Triaxial Compression - C.U. - Undisturbed Sample, Per Point, 2.8-inch samples	T297	D4767
Triaxial Compression - C.D. - Undisturbed Sample, Per Point, 2.8-inch samples	n/a	D7181
One-Dimensional Consolidation by Incremental Loading, (upto 32tsf), Method B with Std Loading sequence, 2 - 2.5in sample	T216	D2435
One-Dimensional Consolidation by Incremental Loading, (upto 64tsf), Method B with Std Loading sequence, 2-inch sample	T216	D2435
One-Dimensional Swell or Settlement of Cohesive Soils, up to 4 days	n/a	D4546
Expansion Index 3.0-inch samples	n/a	D4829
Flexible Wall Permeability (Hydraulic Conductivity), 2.8-inch samples	n/a	D5084
Rigid Wall Permeability of Granular Soils (Constant or Falling Head), 4.0-inch remolded samples	n/a	D2435
<b>Rock Cores &amp; Concrete</b>		
Unconfined Compressive Strength of Rock, D7012 Method C, 2-inch diameter samples, including cutting & grinding	n/a	D7012
Unconfined Compressive Strength of Rock, D7012 Method D, 2-inch diameter samples, with stress-strain data, includes cutting & grinding	n/a	D7012
Point Load Index, per sample	n/a	D5731
Splitting (Indirect or Brazilian) Tensile Strength,	n/a	D3966
Slake Durability	n/a	D4644
Concrete: Rapid Chloride Ion Permeability, 4.0-inch sample	n/a	C1202
Concrete: Nord Test Build 492 Test, 4.0-inch sample	n/a	n/a
<b>Soil Corrosion Testing</b>		
Soil Corrosion Series Testing (As received & Saturated Resistivity, pH, ORP, Sulfates, & Chlorides)	n/a	n/a
As received and minimum resistivity	T288	n/a
As received and saturated resistivity	n/a	G57
Soil pH	T289	G51
Sulfate Ion Content	T290	D512
Chloride Ion Content	T291	D516
Oxidation Reduction Potential	n/a	D1498
Sulfide Content, Methylene Blue Method	n/a	n/a
Soil / Rock Thermal Conductivity / Resistivity each point	n/a	D5334
Soil / Rock Thermal Conductivity / Resistivity 5-point dry-out Curve	n/a	D5334
<b>Location / Shipping:</b> Baltimore Materials Testing, LLC 6400 Franford Ave, UNIT 27 Baltimore, MD 21206 Attn: Sam Kimani		