

2016 LABORATORY TESTS

SOIL TESTING	
Soil Tests	Accredited Test Procedure Designations
Atterberg Limits (LL, PL, and PI), Method A (multi-point)	D4318/T89 and 90
Atterberg Limits (LL, PL, and PI), Method B (1-point)	D4318/T89 and 90
Chloride	
Density and Moisture by Nuclear Methods	D6938/T310
Direct Shear (CU Test) 3-Point Envelope - in situ (California Liner ~2" dia.)	T236
Direct Shear (CU Test) 3-Point Envelope (includes specimen remolding)	T236
Direct Shear (CU Test) 3-Point Envelope (includes Proctor and specimen remolding)	T236
Gradation with Minus #200 Wash	D6913, C136 and D1140/T27
Hydrometer (includes Gradation and Minus #200 Wash, and Specific Gravity)	
Minus #200 Wash	D1140
Moisture Content	D2216/T265
Moisture/Density Relationship (Proctor)	D698, 1557, and D4718/ T99, 180, and T224
Natural Moisture and Density	
Natural Moisture and Density-Shelby Tube	
Organic Content (ASTM D2974)	
pH	D4972
Proctor Check Point	
Relative Density (maximum/minimum wet or dry method)	
Resistivity-Laboratory (ASTM G571)	T288
R-Value	D2844/T190
Specific Gravity (AASHTO T100)	
Swell only	D 4546
Consolidation only	D2435/T216
Swell/Consolidation	D4546
Swell/Consolidation-Shelby Tube	
Swell/Consolidation (remolded)	D4546
Unconfined Compressive Strength	D2166/T208
Unconfined Compressive Strength (includes moisture/density)	D2166/T208
Unconfined Compressive Strength (remolded, includes moisture/density)	D2166/T208
USCS (Unified Soil Classification System)	D2487
Water Soluble Sulfates	