

LABORATORY SERVICES

SOIL AND AGGREGATE TESTING	ASTM	AASHTO	OTHER
Atterberg Limits	D4318	T89/T90	
California Bearing Ratio (CBR)	D1883	T193	
Clay Lumps and Friable Particles	C142	T112	
Constant Head Permeability of Granular Soils	D2434		
Consolidation of Soil	D2435	T216	
Collapse Potential of Soils	D5333		
Direct Shear of Soils	D3080	T236	
Residual Direct Shear			
Elongated Materials	D4791		ODOT TM 229
Expansion Index	D4829	T258	UBC 29-2
Flexible Wall Permeability	D5085		
Fractured Faces	D5821	TP61	
Hydrometer Analysis	D422	T88	
LA Abrasion	C131/C535	T96	
Lightweight Pieces	C123	T113	
Moisture Content	D2216	T265	
Moisture Content and Dry Density			
Moisture Density Relationship – Modified	D1557	T180	
Moisture Density Relationship – Standard	D698	T99	
No. 200 Wash	C117/D1140	T11	
Oregon Air Degradation			ODOT TM208
Organic Content of Soils	D2974	T267	
Organic Impurities	C40		
pH		T289	CalTrans 643
Resistivity		T288	CalTrans 643
Sand Equivalent	D2419	T176	
Sieve Analysis	C136	T27	
Sieve Analysis combined with No. 200 Wash	C136/C117	T27/T11	
Soundness – Magnesium or Sodium	C88	T104	
Specific Gravity and Absorption of Coarse Aggregate	C127	T85	
Specific Gravity and Absorption Fine Aggregate	C128	T84	
Specific Gravity of Soil	D854	T100	
Triaxial Shear – UU, CU, and CD	D2850	T296	
Unconfined Compression of Soil	D2166	T208	
Wood Particles			ODOT TM225
CONCRETE AND MASONRY TESTING	ASTM	AASHTO	OTHER
Compressive Strength of Concrete	C39	T22	
Compressive Strength of Cores	C42	T24	
Compressive Strength of Grout	C1019		
Compressive Strength of Mortar	C109/C780		
Compressive Strength of Masonry Block	C90		
Compressive Strength of Masonry Prism – Grouted or UngROUTED	E447/C1314		
Flexural Strength of Concrete Beams	C78	T97	
Moisture Content, Unit Weight, Percent Net Area & Absorption of Masonry Block	C140		
ASPHALTIC CONCRETE TESTING	ASTM	AASHTO	OTHER
Core Density and Thickness	D2726/D118	T166	
Theoretical Maximum Specific Gravity	D2041	T209	
Oil Content/Gradation Ignition Method	D6307	T308	
Oil content Calibration Ignition Furnace	D6307		ODOT TM323