

2016 LABORATORY TESTS

CONCRETE TESTING	
Concrete Tests	Accredited Test Procedure Designations
Abrasion Resistance of Horizontal Concrete Surfaces, sample delivered	C779, Procedure C
Absorption and Density (unit weight)	
Accelerated Cure Specimens	
Compressive Strength (core)	C42/T24
Compressive Strength (cylinders)	C31, 617, 1231 and 39/T23, 231 and 22
Compressive Strength (cylinders)-cast by others	C617, 1231 and 39/T23, T231 and 22
Cracking Tendency Test (AASHTO T334) in conjunction with mix verification 1-point	
Flexural Strength (beam)	C78/T97
Flexural Strength (beam)-cast by others	C78/T97
Making and Curing Test Specimens in Laboratory	C192
Mix Design (Compression) (additional charges may apply for aggregate tests)	
Mix Design (Flexural) (additional charges may apply for aggregate tests)	
Mix Design (High Maturity Early or Optimized) (additional charges may apply for aggregate tests)	
Mix Design Verification Compression (1-point)	
Mix Design Verification Flexural (1-point)	
Rapid Chloride Permeability, 2 specimens	C1202/T277
Restrained Shrinkage (ASTM C878)	
Scaling Resistance (ASTM C672) at 50 cycles, 2 specimens	
Shrinkage Measuring (03300 modified ASTM C157) per bar	C157/T160
Shrinkage Measuring, 3 bars	C157/T160
Slab on Ground Moisture and Humidity Testing (E 1907, Electrical Impedance; F 1869, CaCl and F 2170, RH)	C143, 138, 172, 231 and 1064/ T119, 121, 152 and 309
Slump, Unit Weight, Air Content, and Temperature	
Specimen Saw Cutting/Trimming	
Static Modulus of Elasticity (ASTM C 469), per reading set	
Sulfate Durability (ASTM C 1012)	
Tensile Strength	C496/T198
Thickness (core)	
Underwater Abrasion Resistance Testing, 3 Specimens per set	C1138
Underwater Abrasion Resistance Testing per disk w/o mix sample verification	C1138
Water Soluble Chloride Ion in Concrete (ASTM C1218), drilled sample	