



AAR TESTING AND INSPECTIONS, INC.
STANDARD LABORATORY SERVICES

CONCRETE LABORATORY TESTING

- Compressive Strength Test, Cast by AAR (ASTM C 39)
- Compressive Strength Test for Core Specimen (ASTM C 42, C 513)
- Flexural Strength Test (ASTM C 78, C 513)
- Compressive Strength Test, Sawed Section (ASTM C 42)
- Shotcrete Core Compressive Strength Test, (ASTM C 39)
- Unit Weight / Density Test of Normal Concrete
- Unit Weight / Density Test of Light Weight Concrete
- Splitting Tensile Test (ASTM C 496)
- Length of Concrete Cores
- Percent Voids in Hardened Concrete
- Shrinkage Bars
- Modulus of Elasticity
- Concrete Trial Batch
- Concrete Mix Design

MASONRY LABORATORY TESTING

- Mortar Compressive Strength Test, Cubes (ASTM C 109)
- Grout Compressive Strength Test (ASTM C 1019)
- Prisms, Grouted or Ungouted, 16" x 8" x 8" (ASTM E 447)
- Masonry Blocks, Set of 6 (ASTM C 140)

SOILS AND AGGREGATE LABORATORY TESTING

- Dry Sieve Analysis
- Wet Sieve Analysis
- Wet Sieve Analysis with Moisture Content
- Passing #200 Sieve (ASTM D 1140)
- Bulk Sieve Analysis, Large Aggregate
- Sieve Analysis with Hydrometer
- Moisture / Density Relationship
- Natural Moisture Content
- Specific Gravity to Soils (ASTM D 854)
- Specific Gravity, Coarse Aggregate (ASTM C 127)
- Specific Gravity, Fine Aggregate (ASTM C 128)
- Atterburg Limits, One Point Method (ASTM D 4318)
- Atterburg Limits, Three Point Method (ASTM D 4318)
- Clay Lumps and Friable Particles (ASTM C 142)



SOILS AND AGGREGATE LABORATORY TESTING (CONTINUED)
Organic Impurities (ASTM C 40)
Lightweight Pieces in Aggregate
Expansive Breakdown
Degradation of Fine Aggregate
Flat and Elongated Pieces
pH Value of Soil
Fracture Face Count (WSDOT 103)
Sand Equivalent
Sulfate Soundness (ASTM C 88)
LA Abrasion
California Bearing Ratio (ASTM D 1883)
Aggregate Unit Weight/Percent Voids (ASTM C 29)
ASPHALTIC CONCRETE
Rice Density
Sieve Analysis of Extracted Aggregate
Length of Asphalt Cores
Density of Compacted Asphalt
Density of Compacted Asphalt with Paraffin Coating
Asphalt Concrete Content by Ignition Oven
OTHER MATERIALS
Spray-Applied Fireproofing Dry Unit Weight (ASTM E 602)
Adhesion / Cohesion Test (ASTM E 726)
Moisture Content of Insulation Materials Test
Coating Adhesion by Tape Test
Roofing Cut-Out Samples
Concrete Floor Moisture Test Kit
RH Probe for Humidity Monitoring
MISCELLANEOUS
Concrete Rebound Hammer Test (ASTM C 805)