



Construction Materials Laboratory Services (1 of 2)

Comprehensive construction materials testing including:

- Soils – In-situ and Ex-situ Testing
 - Mechanical Properties including
 - Shear Strength
 - Bulk & Dry Density
 - OMC/Dry Density Relationships
 - CBR Values
 - Compressibility
 - Permeability
 - Physical Properties including
 - Moisture Content
 - Plasticity Index
 - Grading
 - Particle Density
 - Chemical Properties including
 - Sulfate Content
 - pH Value
 - Organic Content
 - Contamination
- Aggregates – In-situ and Ex-situ Testing
 - Mechanical Properties including
 - Los Angeles Abrasion
 - Micro-Deval
 - Aggregate Abrasion Vale
 - Polished Stone Value
 - Physical Properties including
 - Moisture Content
 - Grading Analysis
 - Flakiness
 - Shell Content
 - Fines Content
 - Magnesium Sulfate Soundness
 - Chemical Properties including
 - Sulfate Content
 - Chloride Content
 - Sulfur Content
 - Carbonate Content

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Construction Materials Laboratory Services 2 of 2

Comprehensive construction materials testing including:

- Concrete – In-situ and Ex-situ Testing
 - Mechanical Properties including
 - Compressive Strength
 - Initial Surface Absorption
 - Tensile Strength of Beams
 - Schmidt Hammer
 - Physical Properties including
 - Density
 - Air Content
 - Slump/workability of fresh concrete
 - Permeability
 - Concrete Trial Mixes
 - Chemical Properties including
 - Chloride Content
 - Sulfate Content
 - Degree of Carbonation
 - Half Cell Potential
- Asphalt – In-situ and Ex-situ Testing
 - Mechanical Properties
 - Physical Properties
 - Chemical Properties
- Modified and Stabilised Materials – In-situ and Ex-situ Testing
 - Mechanical Properties
 - Physical Properties
 - Chemical Properties