

MATERIAL TESTING

JPCL Engineering Materials Testing Laboratory is AASHTO accredited and is also certified by the New York City Department of Buildings as an approved Class 1 Special Inspections Agency (SIA # 273) and offers materials testing services. JPCL is also certified by the New York City Department of Design & Construction to provide field sampling and testing of soils, asphalt, and concrete.

The laboratory operates under the supervision of a licensed professional engineer in accordance with applicable ASTM and AASHTO guidelines, including the requirements of ASTM C1077, E329, D3740, AASHTO R18, and ISO 17025 Standards. In addition, JPCL is a participant in the CCRL Proficiency Sample Program.

JPCL Standard procedures cover a wide range of material testing in accordance with ASTM as listed below.

ASTM Standards

Types of tests

ASTM C31

ASTM C39

ASTM C42

ASTM C138

ASTM C143

ASTM C172

ASTM C173

ASTM C192

ASTM C231

ASTM C617

ASTM C1064

ASTM C1231

ASTM C78

ASTM E605

ASTM E736

ASTM D6938

Concrete Sampling & Cylinder Making & Curing

Concrete Compressive Strength Testing

Core Drilling for In-place Concrete Strength Evaluation

Unit Weight of Freshly Mixed Concrete

Concrete Slump Test

Sampling Freshly Mixed Concrete

Light Weight Concrete Air Content

Making & Curing Concrete Test

Specimens in the Lab

Normal Weight Concrete Air Content

Capping Cylindrical Concrete Specimens

Concrete Temperature Check

Use of Unbonded Caps for Compressive Strength of Concrete

Flexural Strength of Concrete

Thickness and Density of SFRM

Cohesion/Adhesion of SFRM

Nuclear Density and Moisture

Gauge for Soils & Asphalt