

The Fletcher Higgins Laboratory have made significant improvements and upgrades in the way it safely operates and provides service to both internal and external clients.

The Technical Structure is comprised of 1 Testing and Technical Support Manager, 1 Laboratory Manager, 1 Laboratory Supervisor, 1 Laboratory QA Administrator and 17 Technicians spread across Viti Levu with a home base of 2 IANZ Accredited Laboratories.

Our team has a combined industry experience of 180 Years with some of the most experienced and qualified construction materials technicians on the island!

IANZ Laboratory Facilities, Suva and Nadi

LABORATORY EQUIPMENT

- NDM Thin Lift Troxler gauges
- NDM Troxler soils density gauges
- Coring rigs fully equipped and mounted on Utility Vehicles
- Penetrometer
- Brookfield viscosity
- Softening Point
- Beam testing Truck and Kit
- Schmidt Hammer
- Clegg hammer
- Shear vane testing equipment
- Concrete slump kit and compression machine
- Asphalt mix design Mixer
- Marshall Air void & Stability/Flow testing kit
- Asphalt Mixtures testing equipment
- Aggregate source testing equipment
- Soils testing equipment
- Line marking testing equipment for Viscosity and thickness tests
- DCP testing kits
- Surface Texture Kits.

Asphalt HMA Testing

Bitumen Testing

Aggregate and Soil Testing

Concrete Testing

Pavement Testing

- NDM Soils and Aggregate
- NDM HMA Density testing
- Beam
- Dynamic Cone Penetration
- Clegg
- Asphalt HMA coring
- Texture depth testing.

Training

- Our Management team believes in providing essential In house and outsourced training to our team. This is to ensure we increase the skillsets, build technical knowledge and expertise and increase motivation.
- Our extensive training programme this year for our laboratory team includes ISO17025 Australian and New Zealand in person and Virtual Courses which benefits the individual and the company.
- We are also actively participating in the Fletcher Higgins In house training packages which are accessible to all staff.

Higgins Fiji Limited

Queens Highway, Lomolomo, Fiji

PO Box 11581, Nadi Airport, Fiji

P: +679 670 0376

M: +679 992 1092

A DIVISION OF FLETCHER BUILDING (FIJI) LIMITED

Laboratory testing

We are an IANZ accredited Laboratory. We are also supported by extensive expertise from the Higgins New Zealand laboratory team."



Laboratory Testing Scope and Capabilities

OTHER

- Paint Film thickness

FIELD TESTS

- Benkelman Beam (BB)
- Truck for Benkelman Beam test (Incl driver)
- Nuclear Densometer (NDM)
- Dynamic Cone Penetration (DCP)
- Shear Vane
- Hand auger
- Concrete, Bitumen & Asphalt Coring (CBAC)
- Schmidt Hammer (SH)
- Impact soil Tester (Clegg Hammer)
- Surface Texture Testing

CONCRETE

- Concrete compression
- Slump Testing.



AGGREGATE

- Particle size Distribution
- Cone Penetrometer
- Plasticity Modulus
- Standard/Modified Compaction
- Flakiness Index
- Moisture Content
- Crushed and uncrushed Particles
- California Bearing Ratio
- Sand Equivalent
- Aggregate Crushing Value
- Weathering Quality Index
- Wet & dry variation test
- Los Angeles Abrasion
- Clay Index
- ALD
- AGD
- Cleanness value
- Degradation Factor
- Weak Particles
- Specific gravity & Water Absorption of Fine and Course Agg
- Solid Density
- Specific gravity
- Bulk density.

BITUMEN

- Brookfield Viscosity-Bitumen
- Penetration at 25 Degree(100g, 5s) pu
- Softening Point.

SOIL

- Particle size Distribution
- Atterberg limit
- Moisture Content
- Standard/Modified Compaction
- California Bearing Ratio
- Linear Shrinkage.

ASPHALT

- Bitumen content / Grading
- Air voids / Bulk Density
- Marshall Test (Flow / Stability)
- Maximum Specific Gravity.



Contact us to enquire for your own tailored quality testing package.

Ifaremo Telala

Laboratory Manager, Fletcher Higgins South Pacific

E: L.Telala@higgins.co.nz

M: (679) 9926 775