



Highlights of Labs Tests During 2020-21



Bitumen



The total tests:
4,421



The total mass of bitumen tested:
4,312 kg



Tests of note:

Accelerated delivery of all research and consulting testing programs

Research work into the properties of sprayed seal binders that affect their spraying behaviour

Manufacture of 295 crumb rubber and polymer modified binders

Manufacture of coarse and fine-graded crumb rubber blends for both truck and passenger car tyres

189 Reclaimed Asphalt Pavement binder extraction and Dynamic Shear Rheometer viscosity tests

Research work anchoring the development into future Australian test methods

Asphalt



The total tests:
5,540



The total mass of asphalt produced supplied
15,269kg 1,714 kg



Tests of note:

354 asphalt beams tested for flexural stiffness and fatigue utilising the largest number of 4-point bending equipment in Australia

Testing of 282 supplied asphalt beams for flexural stiffness and fatigue

Accelerated delivery of research program for national specification for crumb rubber binders

Performance assessment of crumb rubber modified asphalt mixes for Local Government

Evaluation of performance properties of asphalt mixes containing recycled plastic

Pavements



The total tests:
1,361



The total mass of pavement tested:
13,945 kg



Tests of note:

Improved performance and maximised the use of recycled crushed glass granular subbase materials for Local Government

Full delivery of research program for foamed bitumen stabilisation rehabilitation treatments ahead of schedule

Independent deformation assessment of granular material resulting in a restriction-of-supply mandate being withdrawn



The total number of tests: **11,322**

The total mass of material tested: **35,240 kg**

Mentoring and training the next generation of road material experts

