

Repeated Load Triaxial Tests on test pit aggregate – East Waikato Hybrid - How good is the existing material in the road?



Poor result existingNeeds cement and,Flexural Beam Test

Good result -Traditional treatment





2. RLT – Interpretation (design criteria) Road Science





3. Design from Flexural Beam Test

Flexural beam tests optimises cement/binder content and depth

























30 mm Asphalt Wearing Layer PA14 PMB NZTA P11

155 mm Asphalt **Base Layer** AC 20 40/50

50 mm Asphalt Fatigue Layer AC 14 High Bitumen 60/70

200 mm Granular Sub Base Either existing pavement or imported AP65

400 mm Layer Granular Sub Base Either existing povement or imported AP65





Wellington Memorial Park Alliance Pavement Cross Section

30 mm Asphalt Wearing Layer PA14 PMB NZIA P11

120 mm Asphalt Base & Fatique Layer NZTA Mix15 RS 3 High strength polymer

400 mm Granular Sub Base Either existing povement or imported AP100