



# Geobeam Report

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 Geotechnics Job No. 500  
 Source File: GeobeamResultsSep21

<b>Customer:</b> Geotechnics	<b>Customer Ref:</b> Road 1	<b>Radius Loaded Area (m)</b>	0.175
<b>Site:</b> North Factory	<b>Weather:</b> Overcast	<b>Rear Axle Load (kN):</b>	82
<b>Suburb/City:</b> Auckland	<b>Road Temp. C:</b> NA	<b>Tyre Pressure (kPa):</b>	860
<b>Road:</b> Road 1	<b>Surface Type:</b> Basecourse	<b>Transducer ID:</b>	2
<b>Test Date:</b> 15/09/2011	<b>RL:</b> 0	<b>Transducer Plate Dia (mm):</b>	20
<b>Test Time:</b> 9:55	<b>Geobeam No:</b> 1	<b>Calibration :</b>	1.584
<b>Operator:</b> MXP	<b>Cable ID:</b> 3	<b>Stress Distribution Factor:</b>	2
<b>Checked By:</b> SJA		<b>Poisson's Ratio:</b>	0.40
<b>Date Checked:</b> 16/09/2011		<b>Applied Stress at Surface(kPa):</b>	426

## Statistical Data

<b>Number of deflection readings</b>	5	
<b>Mean of deflections</b>	1.37	mm
<b>Deflections standard deviation</b>	0.38	mm
<b>Deflections 95th percentile</b>	1.99	mm

Chainage (m)	Lane	Wheel Track	Geobeam Deflection (mm)	Curvature Function (d0-d200)	Composite Modulus (MPa)	Raw Deflections (mm) at:				
						0.0 m	0.2 m	0.7 m	1 m	
<b>Direction: T</b>										
1	1	L	1.527	0.024	82	1.527	1.502	0.338	0.282	
2	1	L	1.743	0.111	72	1.743	1.632	0.222	0.150	
3	1	L	0.916	0.042	137	0.916	0.874	0.264	0.190	
4	1	L	1.030	0.531	122	1.030	0.499	0.195	0.137	
5	1	L	1.654	0.942	76	1.654	0.712	0.294	0.172	
<b>Mean =</b>			1.37							
<b>Stand. Dev. =</b>			0.38							
<b>Combined</b>			<b>Mean</b>	1.37	<b>Stand. Dev =</b>	0.38				





