

## Estimation of California Bearing Ratio using Plate Loading Test

Method: Design Manual for Roads and Bridges Vol. 7, Sect HD 25-94

Location: Service Yard area

Date Tested: 27/3/2008

Tested by: KRW

Laboratory Ref. S712/5

Visual description of material: Lime and cement stabilised clayey sand with occasionally some chalk

Material modified with lime & cement addition

Moisture content not determined

### Test Results

Applied Load (kN)	Bearing Pressure (kN/m <sup>2</sup> )	Gauge Reading (mm)			Gauge Settlement (mm)			Average Settlement (mm)
		1	2	3	1	2	3	
0.0	0.0	0.00	-0.02	0.00	0.00	0.00	0.00	0.00
10.0	144.3	0.12	0.17	0.19	0.12	0.19	0.19	0.17
20.0	288.7	0.24	0.39	0.42	0.24	0.41	0.42	0.36
30.0	433.0	0.42	0.60	0.63	0.42	0.62	0.63	0.56
40.0	577.4	0.63	0.79	0.84	0.63	0.81	0.84	0.76
50.1	723.2	0.83	0.98	1.03	0.83	1.00	1.03	0.95
60.0	866.1	1.03	1.16	1.21	1.03	1.18	1.21	1.14
70.0	1010.4	1.21	1.34	1.40	1.21	1.36	1.40	1.32
80.1	1156.2	1.33	1.55	1.60	1.33	1.57	1.60	1.50

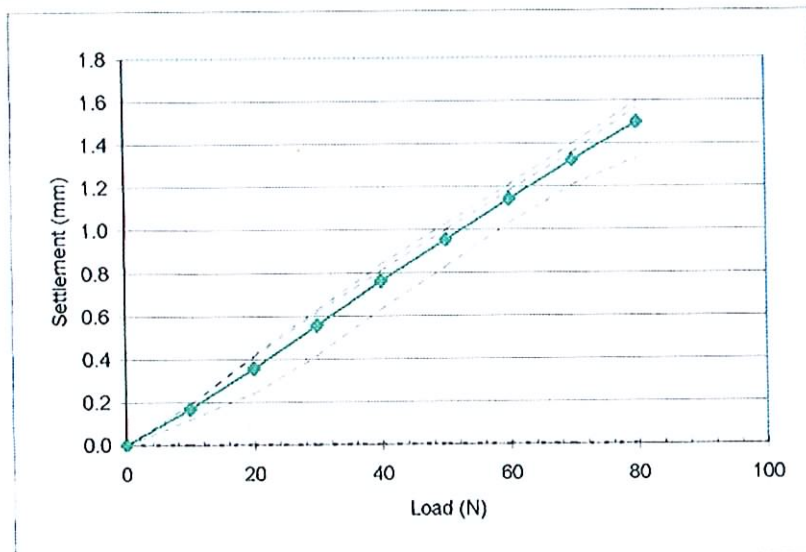


Plate Diameter: 297mm

Plate Correction Factor: 0.45308

Load at 1.25mm penetration: 66 kN

**Estimated CBR Value: 242%**

Remarks:

Test Certificate No. S712/R1350  
Date Issued: 28/3/2008

Signed:   
for O'Keefe Soil Remediation Limited