

California Bearing Ratio Test

Location					Job ref.				
					Borehole/Pit no.				
Soil description					Sample No.				
					Depth		m		
Test method BS1377: Part 4: 1990: 7.4*					Date				
Force measuring device no.					Unsoaked/soaked*				
					Mean calibration N/div				
Penetration of plunger	Force gauge reading	div	Force on plunger	kN	Penetration of plunger	Force gauge reading	div	Force on plunger	kN
0.00mm					4.00				
0.25					4.25				
0.50					4.50				
0.75					4.75				
1.00					5.00				
1.25					5.25				
1.50					5.50				
1.75					5.75				
2.00					6.00				
2.25					6.25				
2.50					6.50				
2.75					6.75				
3.00					7.00				
3.25					7.25				
3.50					7.50				
3.75					7.75				
*Delete as appropriate									
Moisture content after test									
Container No.									
Mass of wet soil+container (m2)					g				
Mass of dry soil+container (m3)					g				
Mass of container (m1)					g				
Mass of moisture (m2-m1)					g				
Mass of dry soil (m3-m1)					g				
Moisture content $w = ((m1-m3)/(m3-m1)) \times 100$					%				
Average moisture content					%				
CBR value at penetration of:									
2.5 mm		5.0 mm							
Top	%	%			Operator	Checked	Approved		
Bottom									
Accepted CBR					%				