Appendix D2

Geotechnical investigations:

RMS Factual Geotechnical Investigation Report



Job No:

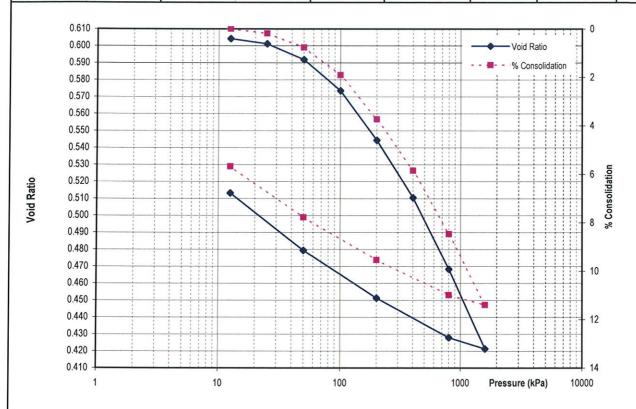
INFOLCOV00959AA

Consolidation Test

Sheet 1 of 1

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Client:	ROADS AND MARITIME SE	Office:	SYDNEY		
Principal:	ROADS AND MARITIME SE	Date:	17/5/2012		
Project:	BERRY BYPASS			Ву:	GKC
Location:	PRINCES HIGHWAY	Checked:	GKC		
Test Procedure:	AS1289 6.6.1				
Borehole:	В9	Depth:	2.00 to 2.35 m	Report No:	IOLT 5560
Sample No.	В9	Laboratory No's	LCOV12S-00423	Sample Type:	Undisturbed
Material Description: (CH) SILTY CLAY - high plasticity, light grey, trace of fine to med					

Initial Dry Density (t/m³): Soil Particle Density (t/m³):		1.65	Initial Moisture Cont	ent (%):	21.3	Initial Degree of S	Degree of Saturation (%):	
		2.65	Final Moisture Conte	al Moisture Content (%):		Initial Specimen Height (mm):		20.027
Pressure Range (kPa)		Void Ratio		Consolidation	C _v	m _v	C _c	Cα
From	То	at start of load increment	at end of load increment	(%)	m²/year	m²/kN		
12.5	25	0.604	0.601	0.190	1.49883	0.00015	0.01011	
25	50	0.601	0.592	0.769	1.16193	0.00023	0.03087	
50	100	0.592	0.574	1.912	1.06527	0.00023	0.06094	
100	200	0.574	0.544	3.735	1.19279	0.00019	0.09712	
200	400	0.544	0.510	5.847	1.62472	0.00011	0.11256	
400	800	0.510	0.468	8.474	1.82993	0.00007	0.13997	
800	1600	0.468	0.421	11.400	2.36153	0.00004	0.15593	
1600	800	0.421	0.428	10.990				
800	200	0.428	0.451	9.537				
200	50	0.451	0.479	7.779		1		
50	12.5	0.479	0.513	5.677				



NATA TECHNICAL COMPETENCE Lane Cove West Laboratory - Accreditation No. 431

This document is issued in accordance with NATA's accreditation requirements.

Accredited for compliance with ISO/IEC 17025

The results of the tests, calibrations, and/or measurements included in this document are traceable to Australian/national standards

Garry K Collins

Approved Signatory

GLEN-CONS RPT-001-2010

SAMPLE NO: LCOV12S-00423

Stage 1

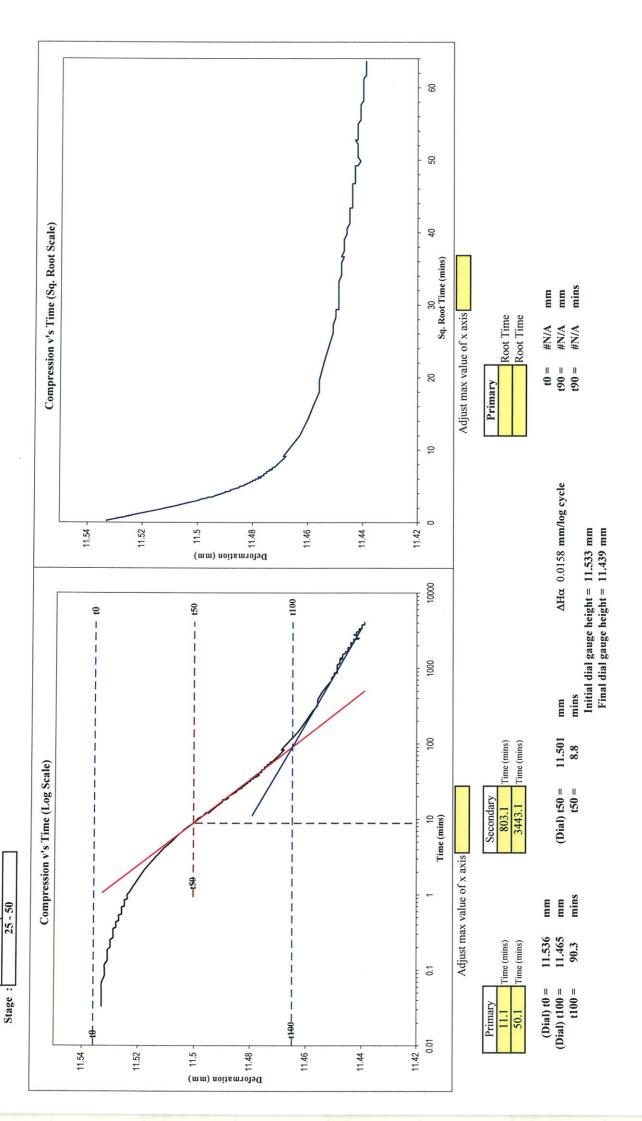
25 kPa

Stage Load : Rig Number : Stage :

12.5 to 25.0

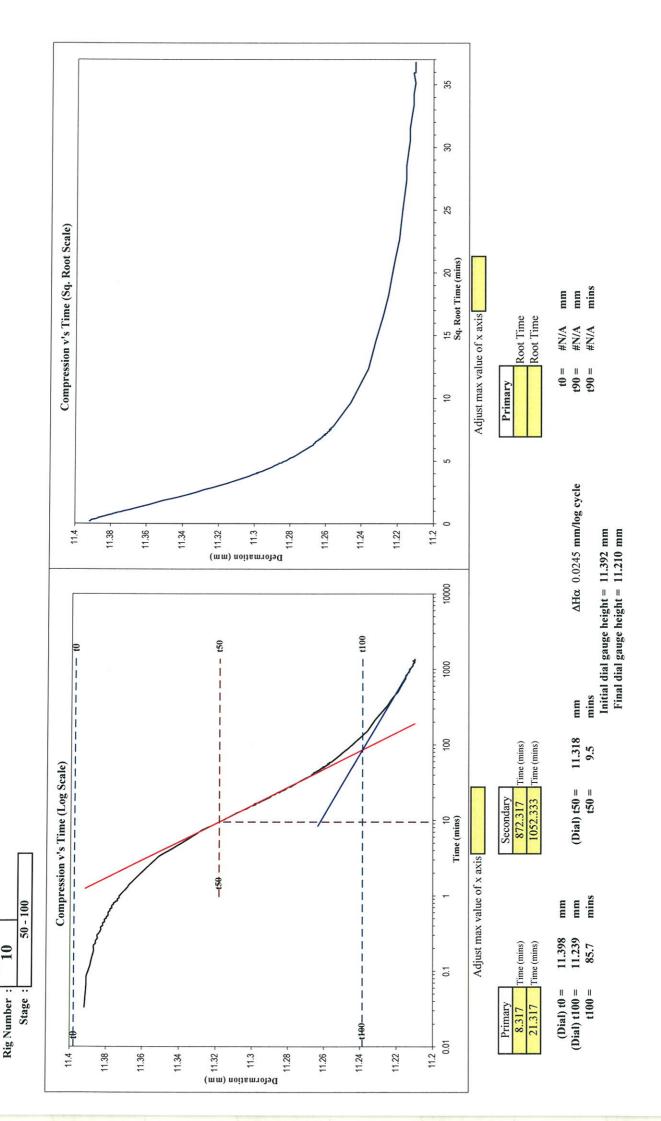
Stage 2

50 kPa



Stage 3

100 kPa



SAMPLE NO: LCOV12S-00423

Stage 4

200 kPa

Stage Load :

100 - 200

Stage 5

400 kPa

Stage Load:

200 - 400

SAMPLE NO: LCOV12S-00423

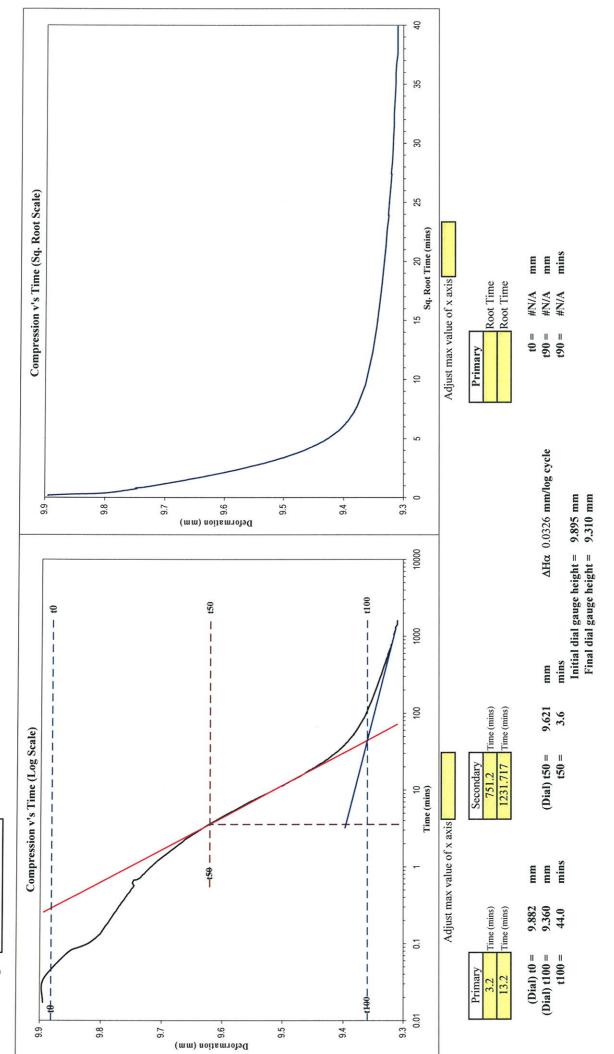
Stage 6

800 kPa

Stage Load : Rig Number : Stage :

400 - 800

SAMPLE NO: LCOV12S-00423



SAMPLE NO: LCOV12S-00423

Stage 8 (Rebound)

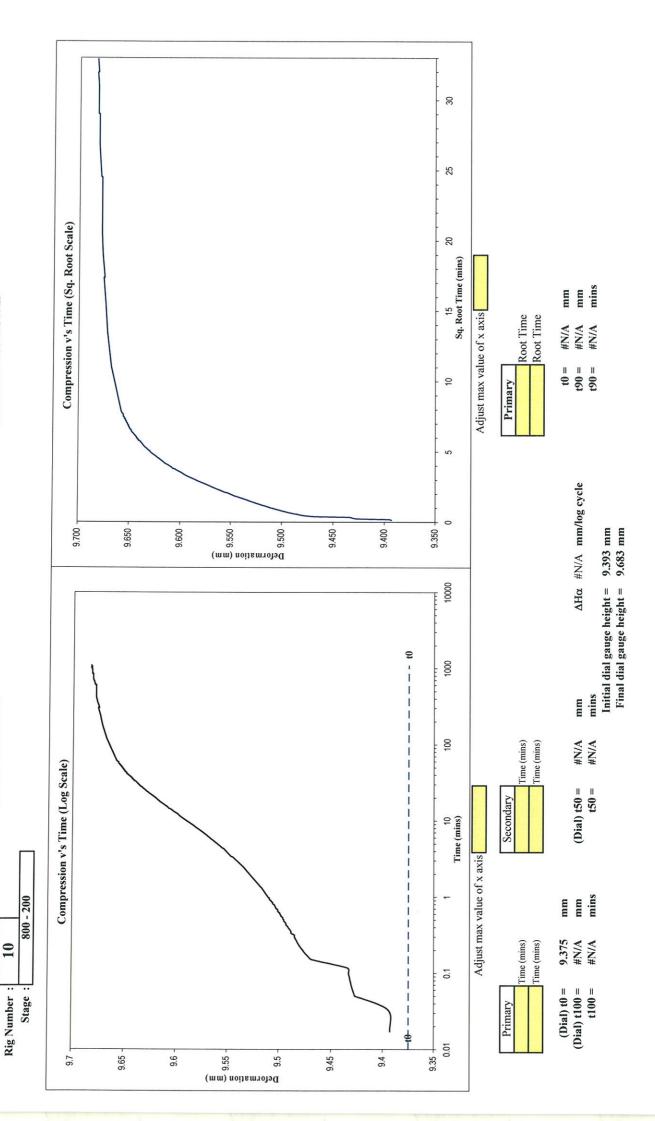
800 kPa

Stage Load :
Rig Number :
Stage :

1600 - 800

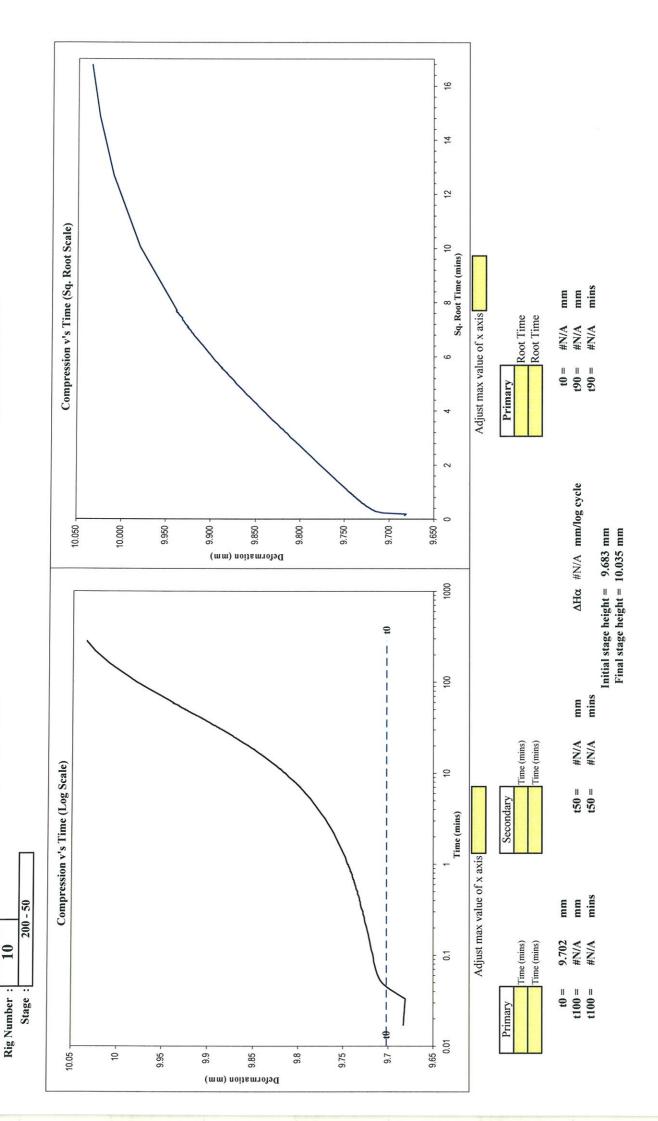
Stage 9 (Rebound)

200 kPa



Stage 10 (Rebound)

50 kPa



Stage 11 (Rebound)

13 kPa

Stage Load: Rig Number:

