ENGINEERING BOREHOLE LOG

Queensland Government

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH099
SHEET 1 of 1
REFERENCE No H10693

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION
LOCATION Existing road embankment Elm St Offramp COORDINATES 487342.8 E; 7080736.5 N
PROJECT No FG5825 SURFACE R.L. 117.40m PLUNGE -90 ° DATE STARTED 9/3/10 GRID DATUM MGA94
JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 9/3/10 DRILLER R & D Drilling

DEPTH (m)	R.L. (m)	AUGER	RQD ( )% CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL EL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	117.40				**ASPHALT**								
	117.05				**Clayey Sandy GRAVEL (Road Base/Sub Base)**								
				A	Mottled brown to red, moist, stiff to very stiff.	(GW-GC)					MC = 24.4%; PP=248kPa		U100
1					Gravel is well graded; gravel up to 30mm.								
	115.90				**Clayey Silty SAND (Embankment Fill)**								
				B	Pale grey, moist, dense.						MC = 25.6%; PP=301kPa		U100
2					Occasional minor clayey gravel layers up to 100mm; gravels up to 20mm.								
				C		(SW-SM)					MC = 21.8%; PP=340kPa; LL=55.6; PI=32.6; LS=14.4		U100
3													
				D							MC = 21%; PP=506kPa		U100
4													
	112.90				**Sandy CLAY (Embankment Fill)**								
				E	Mottled brown-red, moist, stiff.	(CH)					MC = 19.4%; PP=180kPa; LL=46.4; PI=23.0; LS=13.2		U100
5					Occasional gravel.								
	111.70			F							MC = 21%		U100
					Sandy CLAY (Alluvial)						LL=27.8; PI=12.2; LS=7.2		
					Dark brown, moist, stiff.						MC = 14%		
6					Sand fraction is fine grained; occasional wood fragments.	(CH)							
				G							MC = 15.8%		U100
											MC = 25.6%		
7	110.20			H							MC = 21.4%		U100
	109.90				**Sandy CLAY (Residual)**	(CH)					PP=225kPa		
					Dark brown, moist, stiff.						LL=51.2; PI=33.0; LS=14.8		
				J	**Clayey SAND (Residual)**						MC = 23.6%; PP=457kPa		U100
8					Brown, moist, medium dense to dense.								
					Fine grained.								
					Occasional pale grey silty clay interbeds.	(SC)							
				K							6,8,9 N=17		SPT
9													
	107.90												
				L	**CLAYSTONE (XW):** Properties of pale grey to brown, moist, very stiff, silty clay.	XW					4,8,12 N=21		SPT
10	107.45										High plasticity; iron cemented nodules		
					Borehole terminated at 9.95m								

REMARKS PP= Pocket Penetrometer

LOGGED BY JA

QLD_DMR_LIB_01.GLB Log A_ENGINEERING BOREHOLE LOG FG5825 BRUCE HWY COOROY-CURRA SECTION A BHS.GPJ DWG24312.GDW Datgel CPT Tool gINt Add-In 13/07/2010 10:37