TEST PIT LOG

Queensland Government

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

FEATURE No TP38
SHEET 1 of 1
DATE EXCAVATED 15/7/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Embankment 7 COORDINATES 472331.1 E; 7093038.5 N
PROJECT No FG5799 SURFACE R.L. 65.60 DATUM AHD SYSTEM MGA94 Zone 56
JOB No 232/10A/2 EQUIPMENT TYPE AND MODEL JCB Backhoe BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	METHOD	USC	WEATHERING	SOIL DESCRIPTION / ROCK DESCRIPTION	VDCP LOG (Cone Resistance) VDCP38 (MPa) 0 4 8 12 16>20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	65.60	BUCKET			SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
			CI		**TOPSOIL** Brown, moist, firm, silty clay. Intermediate plasticity, trace organics, trace fine gravel up to 10mm.				
	64.80								
1			CL		**Sandy CLAY (Alluvium?)** Brown, moist, stiff. Low to intermedaite plasticity, occasional gravel.		LL = 34; PI = 19; LS = 10.4; MC = 17.5%; WPI=1397, WLS=780 FSV= 58/23 kPa	11G0756	25142
	64.10								
	63.75		CI		**Silty CLAY (Residual)** Grey mottled with brown and red, moist, very stiff to hard. Intermediate plasticity, occasional gravel and cobbles.		MC = 15.8%	11G0759	24877
2					Excavation terminated at 1.85m				
3									
4	61.60								

Site before excavation

Test pit profile

Excavated material from 0.8-1.5m

REMARKS MC-Moisture Content, LL-Liquid Limit, PI-Plastic Index, LS-Linear Shrinkage, WPI=PI x % pass 0.425mm sieve, WLS=LS x % pass 0.425mm sieve, FSV-Field Shear Vane, $PP_{(SU)}$-Pocket Penetrometer, EC-Emerson Class Number

LOGGED BY JD/JA

QLD_DI:IR_LIB_01A.GLB Log A_TEST PIT LOG FG5799 - BRUCE HIGHWAY SECTION C TEST PIT LOGS.GPJ CWG57833.GDW Datgel CPT Tool gINt Add-in 08/12/2011 15:42