Queensland Government
Department of Main Roads

TEST PIT LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/5-2009

FEATURE No TP125
SHEET 1 of 1
DATE EXCAVATED 28/01/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation
LOCATION Embankment 10 COORDINATES 486517.9 E; 7080800.2 N
PROJECT No FG5825 SURFACE R.L. 124.27 DATUM AHD SYSTEM MGA94
JOB No 128/10A/901 EQUIPMENT TYPE AND MODEL Hitachi 5T Tracked Excavator BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	METHOD	USC	WEATHERING	SOIL DESCRIPTION / ROCK DESCRIPTION	DCP LOG (Blow Count / 100mm) 0 4 8 12 16>20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	124.27				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				
	124.07		OL		**Gravelly SILT (Topsoil)** Pale brown, dry, stiff. Low plasticity; Gravel comprises fine to medium grained, sub-rounded to sub-angular, quartz, phyllite and iron nodules; rootlets; trace fine to coarse sand.				
	123.82		ML		**SILT with gravel (Colluvium)** Pale brown, dry, stiff to very stiff. Gravel comprises fine to coarse, sub-rounded to sub-angular, quartz, phyllite and iron nodules; rootlets.				
1	123.27		ML		**SILT with gravel (Colluvium)** Pale red and orange brown, moist, stiff to very stiff. Low plasticity; gravel fraction comprises fine to coarse, sub-angular to sub-rounded, phyllite and quartz; trace clay and sand.		LL = 44; PI = 16; LS = 8.4; MC = 21.9%; WPI=1157 PP(UCS) 1.07 MPa FSU(Su) unable to push vane.	A	D,Bulk
							LL = 49; PI = 20; LS = 6.8 DCP terminated at 1.2m	B	U100
2			XW-HW		**PHYLLITE (XW/HW):** Generally exhibits the engineering properties of pale grey to mottled orange and red brown, moist, very stiff to hard gravelly Silt with clay. Gravel fraction comprises fine to coarse, angular phyllite. Foliation visible within weathered gravel. Below 2.0m: Becoming EL-VL strength phyllite.				
	121.47								
3					Excavation terminated at 2.8m				
4	120.27								

Testpit Profile

Excavated Material

REMARKS FSV= Field shear vane (Peak/residual);

LOGGED BY BJD

QLD_DMR_LIB_01.GLB Log A_TEST PIT LOG FG5825 BRUCE HWY COOROY-CURRA SECTION A TPS.GPJ DWG13036.GDW Datgel CPT Tool gINt Add-In 25/06/2010 14:11