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**Queensland
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Department of
Main Roads

TEST PIT LOG

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

FEATURE No TP140

SHEET 1 of 1

DATE EXCAVATED 29/01/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 17 COORDINATES 482665.0 E; 7080770.7 N

PROJECT No FG5825 SURFACE R.L. 103.55 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	WEATHERING	SOIL DESCRIPTION	DCP LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components				
0	103.55			ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	(Blow Count / 100mm) 0 4 8 12 16 >20			
103.35		MH		Gravelly SILT (Topsoil) Pale brown to brown, dry, stiff. High plasticity; trace gravels, fine to medium grained, sub-angular to angular of quartz and phyllite; rootlets.		FSV (Su) unable to push vane.		
				Silty CLAY with gravel (Residual Soil) Red brown, dry and becoming slightly moist with depth, stiff to very stiff. Intermediate plasticity; gravel fraction is comprised of fine to coarse, sub-angular to angular, quartz; trace rootlets. Below 0.6m: Gravel content decreasing (to approx 5%); becoming slightly moist.		LL = 57; PI = 24; LS = 13.2; MC = 22.8%; WPI=2027	A	D,Bulk
				From 1.2m: Occasional of quartz cobbles; sub-angular.		FSV (Su) unable to push vane.		
		CI		From 1.4m: Becoming predominately pale grey with red brown and orange/yellow brown mottling.		DCP refusal LL = 56; PI = 25; LS = 11.8; MC = 17.4%; WPI=1510	B	D,Bulk
				From 1.9m: Becoming gravelly Silt. Pale grey, pale brown, yellow brown, orange brown mottled. Gravel fraction comprises fine to coarse grained, sub-angular to angular; quartz and phyllite; phyllite gravels are typically tabular; trace clay; trace pockets of pale grey silty sand.		LL = 19; PI = 18; LS = 9.4; MC = 20.1%; WPI=1026	C	D,Bulk
	100.30			From 3.2m: Becoming predominately Gravel with silt; foliation structure visible within matrix; pockets of grey silty clay.				
				Excavation terminated at 3.25m				
	99.55							

Testpit Profile



Excavated Material



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

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