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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG - SOIL**

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH01**

Sheet 1 of 2

REFERENCE No **H12918**

PROJECT Kennedy Highway Embankment Widening Project (Mareeba to Ravenshoe, CH 50.965 - 51.010 km)

LOCATION CH 50.973km, offset 2.1m left of centre line.

COORDINATES 342331.0 E; 8073626.7 N

PROJECT No FG6466

SURFACE RL 903.15m

PLUNGE 90°

DATE STARTED 29/05/2017

GRID DATUM MGA Z55 K

JOB No 281/32B/804

HEIGHT DATUM AHD

BEARING °

DATE COMPLETED 29/05/2017

DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
903.02			GRAVEL (Road Base)	(GW)			
902.63		A	Light grey, moist, dense to very dense. Fine to medium grained, angular, well graded.	(SM)		12, 4, 5 N=9	SPT
902.15			Silty Gravelly SAND (Sub Base)	(MH)			
		B	Light brown, moist, medium dense to dense. Fine to medium grained gravel, angular; low plasticity silt.			3, 3, 4 N=7 LL=55% PI= 12% MC=39.4% LS= 9% <75µm= 92%	SPT
			SILT (Fill)				
			Dark red-brown to dark brown, moist, stiff. High plasticity.				
			SILT (Residual)				
		C	Dark red-brown to dark brown, moist, firm. High plasticity. Trace fine to medium grained sand.			3, 3, 3 N=6	SPT
		D				2, 4, 4 N=8 LL=66% PI= 23% MC=38.6% LS= 13% <75µm= 95%	SPT
		E				3, 4, 3 N=7	SPT
			4.75m: Becoming stiff.				
		F				3, 3, 6 N=9 LL=56% PI= 11% MC=41.3% LS= 7% <75µm= 90%	SPT
			5.75m: Becoming firm.				
		G				2, 4, 4 N=8	SPT
		H				3, 3, 3 N=6 LL=65% PI= 18% MC=43.9% LS= 12% <75µm= 92%	SPT
			7.75m: Becoming stiff.				
		J				4, 5, 8 N=13	SPT
			8.75m: Becoming very stiff.				
		K				4, 8, 9 N=17 LL=52% PI= 10% MC=42.8% LS= 4% <75µm= 89%	SPT
893.15							

Continued on next sheet

REMARKS: Borehole location approximate.

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REVIEWED BY

V. Pereira

S. Foley



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Sheet 2 of 2

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DEPTH (m)	R.L. (m)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
892.70		L	SILT (Residual) Cont'd. 10.10m: Becoming brown-grey. Borehole completed at 10.45m		MH	5, 10, 15 N=25	SPT
11							
12							
13							
14							
15							
16							
17							
18							
19							

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