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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH020
SHEET 1 of 2
REFERENCE No H10580

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION
LOCATION Embankment 10 COORDINATES 486399.3 E; 7080833.6 N
PROJECT No FG5825 SURFACE R.L. 127.77m PLUNGE _____ DATE STARTED 17/7/09 GRID DATUM MGA94
JOB No 128/10A/901 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 17/7/09 DRILLER R & D Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	127.77											
1				A	Silty CLAY (FILL) Mottled brown to red, moist, firm to stiff. Gravels up to 20mm, occasional coarse sand particles. Intermediate to high plasticity.	(Cl-CH)					2,3,4 N=7	SPT
2				B							3,4,6 N=10	SPT
3	125.27			C	PHYLLITE (XW): Generally exhibits the engineering properties of light grey to mottled brown-red, moist, very stiff, silty clay. High plasticity; rock fabric visible throughout; traces of plant roots.	XW					5,10,14 N=24	SPT
4	123.57			D							5,6,12 N=18	SPT
5				E	PHYLLITE (HW): Generally exhibits the engineering properties of light grey to brown, moist, hard, clayey silt. Low plasticity; rock fabric visible throughout.	HW					30,30/100 N>50	SPT
6				F							30,30/100 N>50	SPT
7	120.77			G	6.5m: Colour change to pale grey.						30,30/100 N>50	SPT
8			(0)		Brecciated Zone (PHYLLITE HW): Dark grey to brown, fine grained, highly fractured, clayey matrix, healed fractures throughout. Fractures are typically closed, irregular and iron stained.	HW						
9			100 (0)		8.80 - 9.55m: Prominent quartz veining.						Crushed quartz vein	
10			100 (0)		Brecciated Zone (PHYLLITE HW): (Cont'd)						Crushed quartz vein	

REMARKS _____

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**Queensland
Government**

Department of
Main Roads

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BOREHOLE No BH020

SHEET 2 of 2

REFERENCE No H10580

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION

LOCATION Embankment 10 COORDINATES 486399.3 E; 7080833.6 N

PROJECT No FG5825 SURFACE R.L. 127.77m PLUNGE DATE STARTED 17/7/09 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 17/7/09 DRILLER R & D Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH EH VH I M J VL EL	DEFECT SPACING (mm) 20 60 200 600 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	117.77				From 9.7m: Colour change to dark grey.		HW					
	117.54		100		Borehole terminated at 10.23m							
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

REMARKS

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Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**
Borehole No: **BH20**
Start Depth: 7.00m
Finish Depth: 10.35m
Project No: FG5825
H No: 10580



SCALE 1:5

F:GEOT043/1