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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH030
SHEET 1 of 2
REFERENCE No H10652

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION
LOCATION Cudgerie Drive Underpass COORDINATES 487760.5 E; 7080500.9 N
PROJECT No FG5825 SURFACE R.L. 118.10m PLUNGE _____ DATE STARTED 1/12/09 GRID DATUM MGA94
JOB No 128/10A/901 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 1/12/09 DRILLER R & D Drilling

DEPTH (m)	R.L. (m)	AUGER CASING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	118.10				Sandy CLAY Mottled red grey, moist, stiff to very stiff.								
1	117.10				Clayey CONGLOMERATE (XW): Poorly consolidated pinkish brown with red mottles.		XW						
2	116.29		100		Exhibits engineering properties of sandy clayey Gravel. Fine to coarse grained sand, fine to medium gravel, sub rounded to sub angular.								
3	114.79		100		SILTSTONE (HW): Pale grey with patches of dark red, fine grained cones of iron cementing.								
4			100		Defects generally wide to very wide spaced.							Rehealed Jt, 40°, PI, C.	
5			100		Defects typically between 45-50°, clean defect surfaces.								
6			100		From 2.57m: Minimal iron cementing. 2.57 - 3.51m: Very fine grained clayey Sandstone.							Relict clay seam, 55°, 20mm wide Relict clay seam, 65°, 10mm wide Rehealed Vn, 70°, clay infill, 1mm, PI, C	
7	111.40		100		From 4.7m: Pale brown with occasional grey patches.		HW					Jt, 50°, PI, S, C, Cn	
8			100		6.26 - 6.3, 6.52 - 6.64, 6.7 - 7.0m: Clayey altered bands.							Relict Jt, 65°, PI, C	
9	109.74		100		6.34 - 6.7m: Very fine grained clayey Sandstone.							Jt, 90°, PI, R, FeSt	
10	108.10		100		8.31 - 8.36m: Iron cemented band.							Jt, 45°, PI, S, C, Cn Rehealed Jt, 55°, PI, C Rehealed Vn, clay infill, 1mm, PI, C DI, Bz	
					(See over)								

REMARKS _____

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**Queensland
Government**
Department of
Main Roads

ENGINEERING BOREHOLE LOG

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BOREHOLE No BH030
SHEET 2 of 2
REFERENCE No H10652

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION
LOCATION Cudgerie Drive Underpass COORDINATES 487760.5 E; 7080500.9 N
PROJECT No FG5825 SURFACE R.L. 118.10m PLUNGE _____ DATE STARTED 1/12/09 GRID DATUM MGA94
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DEPTH (m)	R.L. (m)	AUGER CASING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	108.10											
11			100		SILTSTONE (HW): (Cont'd) (As above)						Jt, reahealed, 50°, Pl, C RehealedVn, 70°, Un, C	
12					10.95m: Zone of pale grey sandy Clay (40mm diameter).	HW						
12.26	105.84		100		Borehole terminated at 12.26m							
13												
14												
15												
16												
17												
18												
19												
20												

REMARKS _____

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Project: **Bruce Hwy Upgrade Cudgerie Drive Underpass**
Borehole No: **BH 30**
Start Depth: **1.00m**
Finish Depth: **12.26m**
Project No: **FG 5825**
H No: **H10652**



SCALE 1:5

F:GEOT043/1

Project: **Bruce Hwy Upgrade Cudgerie Drive Underpass**
Borehole No: **BH 30**
Start Depth: **1.00m**
Finish Depth: **12.26m**
Project No: **FG 5825**
H No: **H10652**



SCALE 1:5

F:GEOT043/1