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Main Roads

ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

BOREHOLE No BH7

SHEET 1 of 2

REFERENCE No

PROJECT Caboolture River Bridge Foundation Investigation

LOCATION Pier 6 - 13.5m left (along skew) of existing northbound bridge C/L

COORDINATES 497552.6 E; 7003554.5 N

PROJECT No FG5439

SURFACE R.L. 3.24

DATE STARTED 09/11/05

DATUM MGA94 Zone 56

JOB No 25/10A/60C

DATUM AHD

DATE COMPLETED 10/11/05

DRILLER Drillsure Pty Ltd

ENGINEERING BOREHOLE CABOOLTURE R BRIDGE WIDENINGS.GPJ QLD MAIN ROADS.GDT 23/02/06

DEPTH (m)	R.L. (m)	ALGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VT	HT	MT	VL	EL			
0	3.24															
1						Clayey SAND (Alluvium): Brown, moist, loose, fine grained, medium plasticity fines, some organic matter.										1,2,3 N=5 SPT
2						Grey-brown and fine to medium grained below 2.0m. Some organic matter and dark orange-brown ironstained bands below 2.0m.	SC									2,3,3 N=6 SPT
3																
4	-0.26					Silty CLAY (Alluvium): Dark grey-brown, moist, very soft, high plasticity, some black decomposed organic matter.	CH									RW,-,- SPT
5																
6	-2.46					Clayey Gravelly SAND (Alluvium): Brown, moist, loose, coarse grained, fine gravel up to 5mm, some medium plasticity fines.	SP									3,3,2 N=5 SPT
7	-3.76															30/110,-,- N>50 SPT
8						SANDSTONE: HW: Orange-brown, ironstained, medium grained, very low strength.										
9						Some black coal laminae between 8.5-8.6m.	HW									30/100,-,- N>50 SPT
10	-6.26					MW:	MW									
	-6.76															

REMARKS

LOGGED BY
A O'Rourke

✓ Pile Tip - 6.0



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ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

BOREHOLE No BH7
SHEET 2 of 2
REFERENCE No _____

PROJECT Caboolture River Bridge Foundation Investigation
LOCATION Pier 6 - 13.5m left (along skew) of existing northbound bridge C/L COORDINATES 497552.6 E; 7003554.5 N
PROJECT No FG5439 SURFACE R.L. 3.24 DATE STARTED 09/11/05 DATUM MGA94 Zone 56
JOB No 25/10A/60C DATUM AHD DATE COMPLETED 10/11/05 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-6.76		(70)		SANDSTONE: As above.					Is(50)=0.45 MPa	o
			100		MW:					Is(50)=0.34 MPa	x
			(83)		Pale grey with orange-brown ironstaining, medium grained, low to medium strength, brown and grey siltstone rip-up clasts throughout.	MW					
11	-7.66				SW:					Is(50)=0.28 MPa	o
					Light grey, medium to coarse grained, low-medium to high strength, occasional thin black coal laminae.					Is(50)=0.10 MPa	x
					Defects:	SW					
					Subhorizontal bedding partings.						
12											
13	-10.26		100								
14					Borehole terminated at 13.5m						
15											
16											
17											
18											
19											
20											

REMARKS _____

LOGGED BY
A O'Rourke

Project: FOUNDATION INVESTIGATION FOR THE WIDENING OF THE CAPTAIN WHISH BRIDGES (NORTH AND SOUTHBOUND) – CABOOLTURE RIVER

Borehole No: BH7 Pier 6

Start Depth: 10.00m

Finish Depth: 13.50m

Project No: FG5439

H No: 9787



SCALE 1:5

F:GEOT043/1



Point Load Strength Index - Test Report

Project: CABOOLTURE RIVER BRIDGE

Project No: FG 5439

Date Sampled 10/11/05

Feature: PIER 6

Sample Type: NMLC ROCK CORE

Date Tested 6/12/05

Report No. FG 5439/1/GS05/802/AS4133.4.1

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS05/802-A	BH7	10.02	A	0.50	0.45	M	Sandstone
GS05/802-B	BH7	10.27	D	0.34	0.34	M	Sandstone
GS05/802-C	BH7	11.15	A	0.31	0.28	L	Sandstone
GS05/802-D	BH7	11.22	D	0.10	0.10	VL	Sandstone

Sample Remarks

* D - Diametral; A - Axial; B - Block; I - Irregular;

** EL - Extremely Low; VL - Very Low; L - Low; M - Medium; H - High; VH - Very High; EH - Extremely High (taken from AS1726 Table 8A)

Remarks / Variations to Test Procedures:

Test Method: AS4133.4.1

Software Version 2.03 April 2005

Client Name: RS&E STRUCTURES DIVISION

Client Address: PO BOX 1412 SPRING HILL 4001

Signatory

(P. Reynolds)



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