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Queensland Government

Department of Main Roads

ENGINEERING BOREHOLE

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

BOREHOLE No BH16
SHEET 1 of 2
REFERENCE No H9800

PROJECT Caboolture River Bridge Foundation Investigation
LOCATION Pier 5 - 15.1m right (along skew) of existing southbound bridge C/L
COORDINATES 497601.4 E; 7003558.6 N
PROJECT No FG5439 SURFACE R.L. 4.09 DATE STARTED 21/11/05 DATUM MGA94 Zone 56
JOB No 25/10A/60C DATUM AHD DATE COMPLETED 22/11/05 DRILLER Drillsure Pty Ltd

Table with columns: DEPTH (m), R.L. (m), AUGER 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. Includes soil descriptions like Clayey SAND (Alluvium) and SANDSTONE.

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

REMARKS

LOGGED BY A O'Rourke



**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE

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SHEET 2 of 2

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PROJECT Caboolture River Bridge Foundation Investigation

LOCATION Pier 5 - 15.1m right (along skew) of existing southbound bridge C/L

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SURFACE R.L. 4.09

DATE STARTED 21/11/05

DATUM MGA94 Zone 56

JOB No 25/10A/60C

DATUM AHD

DATE COMPLETED 22/11/05

DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER Casing WORKING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-5.91		(94)			SANDSTONE: As above. MW: Pale orange-brown, ironstained, medium to coarse grained, low to medium strength. Defects: Occasional subhorizontal bedding partings.	MW				<i>pile 711-6.9</i> N>50 Is(50)=0.28 MPa Is(50)=0.43 MPa	SP o x
11	-7.45					SW: Pale grey, slight orange-brown ironstaining above 12.1m, medium to coarse grained, medium to medium-high strength, occasional black coal laminae, coarse grained below 12.14m. Defects: Rare subhorizontal bedding partings.	SW				Is(50)=0.36 MPa Is(50)=0.67 MPa	x o
12	-8.85		100								Is(50)=0.90 MPa Is(50)=1.00 MPa	x o
13						Borehole terminated at 12.94m						
14												
15												
16												
17												
18												
19												
20												

REMARKS

LOGGED BY
A O'Rourke

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

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

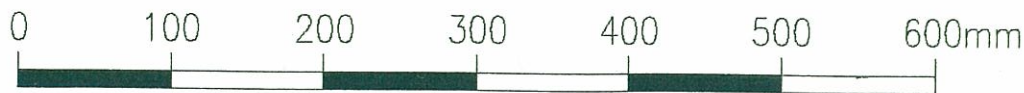
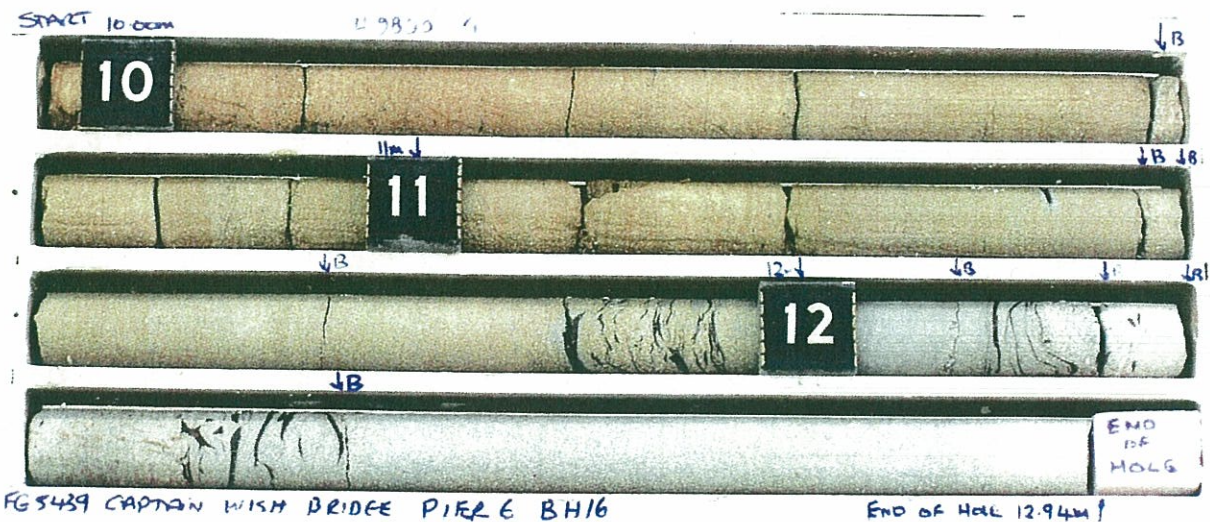
Borehole No: BH16 Pier 6

Start Depth: 10.00m

Finish Depth: 12.94m

Project No: FG5439

H No: 9800



SCALE 1:5

F:GEOT043/1



Point Load Strength Index - Test Report

Project: CABOOLTURE RIVER BRIDGE

Project No: FG 5439

Date Sampled 22/11/05

Feature: PIER 6

Sample Type: NMLC ROCK CORE

Date Tested 14/12/05

Report No. FG 5439/15/GS05/825AS4133.4.1

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS05/824-A	BH16	10.11	D	0.28	0.28	L	Sandstone
GS05/824-B	BH16	10.14	A	0.48	0.43	M	Sandstone
GS05/824-C	BH16	11.62	D	0.36	0.36	M	Sandstone
GS05/824-D	BH16	11.65	A	0.72	0.67	M	Sandstone
GS05/824-E	BH16	12.82	D	0.90	0.90	M	Sandstone
GS05/824-F	BH16	12.85	A	1.18	1.00	M	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

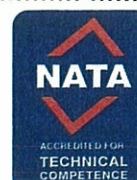
Software Version 2.03 April 2005

Client Name: RS&E STRUCTURES DIVISION
Client Address: PO BOX 1412 SPRING HILL 4001

Signatory

(P.REYNOLDS)

19/12/05



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