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

REFERENCE No **H9916**

JOB No	165/122/35	HEIGHT DATUM	AHD	BEARING	DATE COMPLETED	06/06/06	DRILLER	CAIRNS DRILLING
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A ENGINEERING BOREHOLE LOG W LITHOLOGY FG5423 HIGHWAY BRIDGE.GPJ MRD LIB V1 2.GLB 25/10/06

REMARKS

LOGGED BY
BW / ADISS



**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BHP88

SHEET 2 of 2

REFERENCE No H9916

PROJECT HOUGHTON HIGHWAY BRIDGE DUPLICATION - HOUGHTON HIGHWAY UPGRADE PROJECT

LOCATION 24m RIGHT FROM EASTN PILE OF PIER 88 OF EXIST BRIDGE COORDINATES 39909.2 E; 54112.4 N

PROJECT No FG5423 SURFACE R.L. -1.20 PLUNGE _____ DATE STARTED 06/06/06 GRID DATUM PROJECT DATUM

JOB No 165/122/35 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 06/06/06 DRILLER CAIRNS DRILLING

DEPTH (m)	R.L. (m)	CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-11.20												
11						MW: (As above.) Occasional siltstone rip-up clasts sizing up to 35mm. Defects: - Subhorizontal stress relieved lamination / bedding partings <10° (1/2m). - Occasional highly weathered seams <20mm around bedding / lamination partings. - Joints @ 80° (1/3m).						Is(50)=0.11 MPa Is(50)=0.13 MPa Is(50)=0.20 MPa Is(50)=0.19 MPa Is(50)=0.21 MPa Is(50)=0.19 MPa Is(50)=0.09 MPa Is(50)=0.18 MPa Is(50)=0.36 MPa	x o o x x o o x o
12	-13.30		100			Borehole terminated at 12.1m							
13													
14													
15													
16													
17													
18													
19													
20													

REMARKS _____

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Project: **Houghton Highway Bridge Duplication**
Borehole No: **BHP88**
Start Depth: 9.10m
Finish Depth: 12.1m
Project No: FG5423
H No: 9916



0 100 200 300 400 500 600mm

SCALE 1:5

Point Load Strength Index - Test Report

Project: Houghton Highway Bridge Investigation

Project No: FG5423

Date Sampled 06/06/06

Feature: N/A

Sample Type: NMLC Core

Date Tested 13/06/06

Report No. FG5423/GS06-484/AS4133.4.1

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS06/484.A	BHP 88	9.17	D	0.12	0.12	L	Sandstone
GS06/484.B	BHP 88	9.20	A	0.10	0.10	VL	Sandstone
GS06/484.C	BHP 88	9.46	D	0.12	0.12	L	Sandstone
GS06/484.D	BHP 88	9.48	A	0.11	0.11	L	Sandstone
GS06/484.E	BHP 88	10.21	D	0.11	0.11	L	Sandstone
GS06/484.F	BHP 88	10.23	A	0.13	0.13	L	Sandstone
GS06/484.G	BHP 88	10.64	A	0.19	0.20	L	Sandstone
GS06/484.H	BHP 88	10.67	D	0.19	0.19	L	Sandstone
GS06/484.J	BHP 88	11.18	D	0.21	0.21	L	Sandstone
GS06/484.K	BHP 88	11.20	A	0.18	0.19	L	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: Department of Main Roads

Client Address: PO Box 70, Spring Hill QLD 4004

Signatory

(P.REYNOLDS)



Accreditation Number: 2302
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recognition requirements



Point Load Strength Index - Test Report

Project: Houghton Highway Bridge Investigation

Project No: FG5423

Date Sampled 06/06/06

Feature: N/A

Sample Type: NMLC Core

Date Tested 13/06/06

Report No. FG5423/GS06-484/AS4133.4.1

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS06/484.L	BHP 88	11.50	A	0.10	0.09	VL	Sandstone
GS06/484.M	BHP 88	11.85	D	0.18	0.18	L	Sandstone
GS06/484.N	BHP 88	11.88	A	0.36	0.36	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)

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