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**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/2-2004

BOREHOLE No BH6

SHEET 1 of 1

REFERENCE No H9555

PROJECT GATEWAY UPGRADE PROJECT - GATEWAY BRIDGE FOUNDATION INVESTIGATION

LOCATION PIER 3 - DOWNSTREAM/RIGHTHAND SIDE

COORDINATES 10465.2 E; 167438.7 N

PROJECT No FG5388

SURFACE R.L. 8.98

DATE STARTED 20/04/05

DATUM SETP

JOB No 0405

DATUM AHD

DATE COMPLETED 20/04/05

DRILLER GEO DRILLING PTY LTD

DEPTH (m)	R.L. (m)	AUGER WASH BORING CORE DRILLING	ROD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	8.98					PROBABLE SANDSTONE HW : Pale grey to white, moist to mainly dry, very dense silty sand.		HW					
1	7.98							SW				30/70 N>50	
	7.65				(100)	SANDSTONE MEDIUM TO COARSE GRAINED LAMINATED TO SLIGHTLY MASSIVE POORLY CEMENTED SEDIMENTARY ROCK SW: Pale grey, medium to coarse grained, laminated to massive low to very low strength. Defects: Generally rare						Is(50)=0.09 MPa Is(50)=0.05 MPa	x o
2					100 (82)	INTERBEDDED SANDSTONE & MUDSTONE - FINE TO MEDIUM GRAINED INTERBEDDED /LAMINATED POORLY CEMENTED SEDIMENTARY ROCK (MUDSTONE DOMINANT) SW : Banded pale grey to black, fine to medium grained, interbedded/laminated low to medium strength with high strength bands. Defects: Generally rare		SW				Is(50)=0.25 MPa Is(50)=0.66 MPa	x o
3	5.40											Is(50)=2.32 MPa Is(50)=1.52 MPa	o x
4	5.13				100	- Drilling induced lamination partings <15° (3-4/m) SANDSTONE MEDIUM TO COARSE GRAINED LAMINATED TO SLIGHTLY MASSIVE POORLY CEMENTED SEDIMENTARY ROCK SW: Pale grey, medium to coarse grained, laminated to massive low to medium strength. Defects: Generally rare. - Drilling induced lamination partings <15° (2/0.5m) Borehole terminated at 3.85m		SW				Is(50)=0.28 MPa Is(50)=0.30 MPa	x o
5													
6													
7													
8													
9													
10													

REMARKS

LOGGED BY
A. DISSANAYAKE (DISS)

BOREHOLE WITH LITHOLOGY 24.5.2005 - BORELOGS FOR SOUTHERN APPROACH PIERS AND ABUT A.G.P. ENGINEERING BOREHOLE 09.04.GDT 31/03/05

Project: **Gateway Upgrade Project - Gateway Bridge**

Borehole No: **BH 6**

Start Depth: 1.00m

Finish Depth: 3.85m

Project No: FG 5388

H No: 9555

