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	RQD ( )% CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL EL)	DEFECT SPACING (mm) (20 60 200 600 2000)	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					30/70 N>50		SPT
1	7.98		(100)		**SANDSTONE** **MEDIUM TO COARSE GRAINED** **LAMINATED TO SLIGHTLY MASSIVE** **POORLY CEMENTED SEDIMENTRY ROCK** SW: Pale grey, medium to coarse grained, laminated to massive low to very low strength. Defects: Generally rare		SW					Is(50)=0.09 MPa Is(50)=0.05 MPa		x o
2	7.65		100									Is(50)=0.25 MPa Is(50)=0.66 MPa		x o
3	5.40		(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)=2.32 MPa Is(50)=1.52 MPa Broken zone		o x
	5.13		100		- Drilling induced lamination partings <15° (3-4/m)		SW					Is(50)=0.28 MPa Is(50)=0.30 MPa		x o
4					**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)									
5					Borehole terminated at 3.85m									
6														
7														
8														
9														
10														

BOREHOLE WITH LITHOLOGY 24_5_2005 - BORELOGS FOR SOUTHERN APPROACH PIERS AND ABUT A.GPJ ENGINEERING BOREHOLE 09_04.GDT 31/08/05

REMARKS

LOGGED BY
A. DISSANAYAKE (DISS)

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