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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No	<u>BH04</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	-----

PROJECT EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION
 LOCATION Pier 1 - RHS (Ch.83888.000) COORDINATES 260941.5 E; 7380650.9 N
 PROJECT No FG5934 SURFACE R.L. 6.57m PLUNGE _____ DATE STARTED 15/8/11 GRID DATUM MGA94 Zone 56
 JOB No 258/10E/1 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 15/8/11 DRILLER Saxon Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	INTACT STRENGTH							DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS			
							USC	WEATHERING	EH	VH	I	M	J					VL	EL	20
0	6.57				Silty SAND (FILL) Pale brown to yellow, moist, loose Fine to medium grained sand; some gravel.	(SM)											Upper area based on Driller's log only.			
1	5.27			A	Sandy Silty CLAY (ALLUVIAL) Dark grey, moist to wet, firm to stiff becoming soft with depth. Medium to high plasticity; tree roots; thin layers of silty clay of high plasticity.	(Cl)												2,4,4 N=8	SPT	
2				B														2,1,1 N=2	SPT	
3				C	Silty SAND (ALLUVIAL) Brown, wet, loose. Fine to coarse grained quartzitic sand.	(SM)												2,3,3 N=6	SPT	
4	2.82																			
5	0.97			D	SILTSTONE Fine grained, thinly laminated sedimentary rock XW: Generally exhibits the engineering properties of mottled brown to grey yellow, moist, hard, clayey silt. Low plasticity.	XW												20,30/70mm N>50	SPT	
6			(0)	F	SANDSTONE Fine grained, mainly massive, poorly cemented sedimentary rock MW: Grey to brown, fine grained, massive, medium to mainly high strength.	HW													HB N>50; No recovery	SPT
7	-0.53		100		Defects: - Lamination partings @ 10-20° (4/m) - Joints @ 20-30° (5-8/m) - Joints @ 30-45° (4/m) - Joints @ 75-80° (1/m)	MW											Thin Ca band, 30°, 5mm Several CLY seams, 20°, 10-15mm Core loss	Is(50) = 1.23MPa Is(50) = 1.22MPa Is(50) = 0.68MPa	x x o	
8			100		Defect surfaces are generally planar, rough, open, iron stained. Numerous irregular joints and some weathered joint surfaces.													Is(50) = 1.46MPa Is(50) = 2.46MPa	o x	
9			62																	
10			100		Some thin siltstone interbeds.													Is(50) = 3.18MPa	x	
			(8)																	

REMARKS Failures may have been taken place along pre-existing defect plains

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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No	BH04
SHEET	2 of 2
REFERENCE No	-----

PROJECT EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION
 LOCATION Pier 1 -RHS (Ch.83888.000) COORDINATES 260941.5 E; 7380650.9 N
 PROJECT No FG5934 SURFACE R.L. 6.57m PLUNGE _____ DATE STARTED 15/8/11 GRID DATUM MGA94 Zone 56
 JOB No 258/10E/1 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 15/8/11 DRILLER Saxon Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER 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	
									EH	VI	IN	JL	VL	EL					20
10	-3.43					SANDSTONE MW: (Cont'd)											Is(50) = 1.92MPa	o	
11			100 (0)				MW										CLy seam, 30°, 20mm	Is(50) = 1.47MPa Is(50) = 0.90MPa	x o
12			100 (0)				HW											Is(50) = 0.52MPa	x
13			100 (0)				MW										CLy seam, 10°, 25mm	Is(50) = 2.06MPa Is(50) = 1.94MPa	x o
14	-7.43		100 (40)				HW										CLy seam, 25°, 10mm	Is(50) = 2.67MPa	x
14			100				MW										CLy seam, 20°, 25mm		
14							Borehole terminated at 14m												
15																			
16																			
17																			
18																			
19																			
20																			

REMARKS Failures may have been taken place along pre-existing defect plains

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Project: **EIGHT MILE CREEK BRIDGE (PIER 1)**

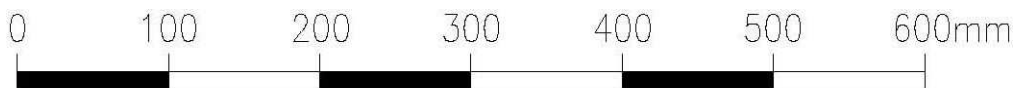
Borehole No: **BH4**

Start Depth: 7.05m

Finish Depth: 14.00m

Project No: FG5934

H No:



SCALE 1:5

F:GEOT043/1