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ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u>BH10</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	-----

PROJECT EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION
 LOCATION Abutment B - RHS (Ch.83953.775) COORDINATES 260894.0 E; 7380696.7 N
 PROJECT No FG5934 SURFACE R.L. 7.42m PLUNGE _____ DATE STARTED 13/8/11 GRID DATUM MGA94 Zone 56
 JOB No 258/10E/1 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 14/8/11 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	VH	VI	IV	IV	EL				
0	7.42					Sandy SILT (FILL) Brown yellow, moist to dry, very stiff. Low plasticity; some gravel and crushed rock particles.												
1					A		(ML)											8,29,29 N>50
2	5.42					SILTSTONE Fine grained, thinly laminated sedimentary rock XW: Generally exhibits the engineering properties of mottled yellow to brown grey, moist, hard, clayey silt. Low plasticity; some HW rock kernels.		XW										21,24,30/50mm N>50
3					B													
4	3.32				C	SANDSTONE Fine grained, mainly massive to thinly laminated, poorly cemented sedimentary rock MW: Grey brown, fine grained, massive, medium to high strength. Defects: - Lamination partings @ 10-20° (5-10/m) - Joints @ 30-40° (7/m) - Joints @ 35-45° (4/m) Defect surfaces are planar to irregular, rough, open. Very low strength XW siltstone interbeds from 4.65 to 5.10m.		MW										N>50; No recovery WD = 2.38t/m³, Soil UCS=504kPa Is(50) = 0.27MPa
5								XW										0
6								MW										Is(50) = 0.89MPa
7								HW										x
8								MW										Is(50) = 0.59MPa Is(50) = 0.88MPa
9								MW										Is(50) = 1.23MPa
10						Some thinly laminated areas.		HW										Is(50) = 3.68MPa
								MW										Is(50) = 1.97MPa
								HW										Is(50) = 0.53MPa Is(50) = 0.53MPa
								MW										Is(50) = 0.33MPa
								HW										Is(50) = 0.53MPa
								MW										Is(50) = 0.53MPa

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	BH10
SHEET	2 of 2
REFERENCE No	-----

PROJECT EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION
 LOCATION Abutment B - RHS (Ch.83953.775) COORDINATES 260894.0 E; 7380696.7 N
 PROJECT No FG5934 SURFACE R.L. 7.42m PLUNGE _____ DATE STARTED 13/8/11 GRID DATUM MGA94 Zone 56
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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
10	-2.58					SANDSTONE MW: (Cont'd)		MW				Is(50) = 0.79MPa Is(50) = 0.58MPa HW & closely spaced siltstone laminations, 25° HW, laminated siltstone layer CLy seam, 15°, 50mm	x	
								HW						o
									MW					
									HW					
									MW					
	-4.10		100			Borehole terminated at 11.52m								
12														
13														
14														
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 (ABUTMENT B)**

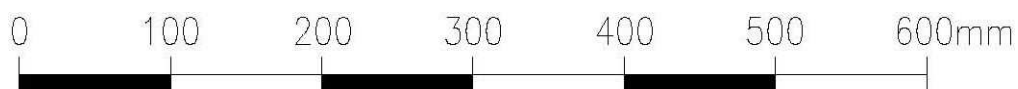
Borehole No: **BH10**

Start Depth: 4.10m

Finish Depth: 11.52m

Project No: FG5934

H No:



SCALE 1:5

F:GEOT043/1