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GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH6**

Sheet 1 of 2

REFERENCE No **H12807**PROJECT **Lochaber Creek Bridge Replacement**LOCATION **Pier 2, RHS**COORDINATES **320007.6 E; 7181060.3 N**PROJECT No **FG6448**SURFACE RL **137.24m**PLUNGE **90°**DATE STARTED **18/03/2017**GRID DATUM **GDA 94**

JOB No

HEIGHT DATUM **AHD**

BEARING °

DATE COMPLETED **18/03/2017**DRILLER **Schneider Drilling**

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							EH VH H M J VI EL		EC VC O M W VW EW		
1	136.44				Sandy CLAY trace gravel (Alluvium) Mottled brown-yellow, moist, firm. Medium plasticity, fine to medium grained sand.	(CI)					
2				A	SAND with clay & gravel (Alluvium) Brown, moist, loose. Medium to coarse grained sand, fine to medium grained gravel, subangular particles.	(SW)					2, 3, 3 N=6 SPT
3				B							2, 3, 3 N=6 SPT
4	133.44			C	3m: Becoming dense, trace coarse grained gravel.						6, 8, 22 N=30 SPT
5	132.94			D	SANDSTONE (Je/1) HW: Pale grey, fine grained, very thinly to thinly bedded, mainly very low to low strength.	HW				4.20m-4.26m: Mainly HW zone	30/110 SPT
6			(0) 100 (57)		SANDSTONE (Je/1) SW: Pale grey & orange, fine grained, very thinly to thinly bedded, mainly medium to high strength. - BP: 0°-20° (3/m), Pl/Ro, TI-OP. - J: 10°-40° (3/m), Pl/Ro, TI-OP, some Cly Vn. - J: 60°-90° (1/m), Pl-Stp/Sm, TI, Cly.	MW SW MW				4.59m: J, 30°, irregular, 5mm Cly, Sinf	Is(50)=1.10 MPa UCS=39.90 MPa Is(50)=2.90 MPa A (4.29m) (4.70m) D (4.95m)
7			100 (55)			SW				5.76m: Sandy Cly, 10°, 3mm 5.82m: Sandy Cly, 25°, 3mm 6.10m: Sandy Cly, 5°, 10mm	Is(50)=0.44 MPa Is(50)=0.91 MPa A (6.00m) D (6.09m)
8			100 (65)			MW SW MW SW MW SW HW				6.80m: Sandy Cly, 20°, 3mm 7.20m: J, 90°, 3-10mm Cly	Is(50)=2.80 MPa Is(50)=2.50 MPa D (6.90m) A (7.11m)
9			100 (46)			SW				7.64m-7.77m: Cly seam, 75°, curved	Is(50)=0.90 MPa Is(50)=1.80 MPa A (8.06m) D (8.44m)
10	127.24										Is(50)=0.09 MPa A (9.39m)

Continued on next sheet

REMARKS: Je/1 = Evergreen Formation

LOGGED BY

REVIEWED BY

M.Ensor

S.Foley



GEOTECHNICAL
BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH6**
Sheet 2 of 2
REFERENCE No **H12807**

PROJECT Lochaber Creek Bridge Replacement

LOCATION Pier 2, RHS COORDINATES 320007.6 E; 7181060.3 N

PROJECT No FG6448 SURFACE RL 137.24m PLUNGE 90° DATE STARTED 18/03/2017 GRID DATUM GDA 94

JOB No HEIGHT DATUM AHD BEARING ° DATE COMPLETED 18/03/2017 DRILLER Schneider Drilling

DEPTH (m)	R.L. (m)	AUGER CASING	WASH BORING	CORE DRILLING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH						DEFECT SPACING				ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS						
										EH	VH	H	M	J	VI	EL	EC	VC	C			M	W	VW	EW		
11					100 (68)		SANDSTONE (Je/1) SW: Pale grey, fine to medium grained, very thinly to thinly bedded, mainly high to very high strength. - BP: 0°-10° (5/m), Pl/Ro, TI-CD. - J: 10°-40° (3/m), Pl-Stp/Ro, TI. - J: 80°-90° (<1/m), Pl/Ro, CD, FeSt.		SW									VC				UCS=34.80 MPa	(10.80m)				
																						CM				Is(50)=2.10 MPa	D (11.23m)
12					100 (90)																					Is(50)=3.20 MPa	A (11.42m)
13	124.14				100				MW																		
							Borehole completed at 13.10m		SW																		
14																											
15																											
16																											
17																											
18																											
19																											

REMARKS: Je/1 = Evergreen Formation	LOGGED BY	REVIEWED BY
	M.Ensor	S.Foley

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

CORE PHOTO LOG
F: GEOT043/3
DEPARTMENT OF TRANSPORT AND MAIN ROADS
Geotechnical Section



Project Name	Lochaber Creek Bridge Replacement (Burnett Highway 41C)		
Project No.	FG6448	Date Completed	18/03/2017
Borehole No.	BH6	Reference Number	H12807
Location	Lochaber Creek (Pier 2 RHS)	Start Depth (m)	4.20
Submitted By	Jaime Lopez	Finish Depth (m)	13.10
Remarks			

0 100 200 300 400 500 600 700

SCALE (mm)