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GEOTECHNICAL BOREHOLE LOG

FINAL 08/09/2017

BOREHOLE No BH4

Sheet 1 of 2

		%]	3	GO	VE	ernment		SYI		GEOTECHNICAL TE REFER FORM F:GE			REFERENCE No	H1	12867
PROJE	ECT	Vá	alen	itine Cr	eek	Bridge Geotechnical	Investigation								
LOCAT	ΓΙΟΝ	Pi	er 1	l, RHS								_	COORDINATES 214367.1	E; 739179	94.9 N
PROJECT No		F	FG6483			SURFACE RL 91.31m		PLUNGE 90°		DATE STAF	RTED 16/06/201	7 GRID DATUM MGA 94			
		02	279	90/16A/001		HEIGHT DATUM AHD		BEARING °				ETED 17/06/2017 DRILLER Schne		Schneider	der
DEPTH (m)	R.L. (m)	AUGER CASING	WASH BORING	RQD ()%	SAMPLE	MATERIAL DESC	CRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH 플루프목그루텔	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- 1	00.54					Clayey SAND trace gr Brown, moist, loose. Medium to coarse gr high plasticity fines.		x_ x_ x_ x_ x_	(SC)				u:	2, 2, 3 N=5 =54% PI= 33% LS= 17% <75µm= 41%	SPT
2 - - - - - -	89.51				В	Clayey SILT (Residual) Brown, grey & orang stiff. Low plasticity.		×> (× ×> (× ×>	(ML)	- - - - - - - -				8, 12, 11 N=23	SPT -
- - - 3 - - - - - -	88.31	-				BASALT (Kb) HW: Brown & grey, fi massive, very low str		× × × × × × × × × × × × × × × × × × ×		- - - - - - - - -				16, 30/140	SPT
- 4 5 					E			<u> </u>	HW				1	30/105 1, 19, 30/130	SPT
- 6 - 6 	85.11			(96) 100 (69)		BASALT (Kb) SW: Dark grey, fine g massive, very high st - J: 5°-20° (2/m), PI/R - J: 30°-40° (2/m), PI/	rength. lo, OP.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	SW	VH	M		is(: UCS Is(:	30/80 hb 50)=3.20 MPa 50)=4.50 MPa =239.00 MPa 50)=6.00 MPa	SPT A (6.25m) D (6.43m) C (7.15m) A (7.42m)
	83.26			100 (81)		BASALT (Kb) MW: Dark grey & brograined, massive, mastrength. J: 80°-90° (1/m), Un/BASALT (Kb) SW: Dark grey, fine gmassive, very high st-J: 5°-20° (3/m), PI-S	ninly high Ro, OP. rained, rength.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MW	Н	C VC C M	8.10m-8.80m: J, 90 BZs. 8.80m-8.92m: BZ	°, un, causing is(is(is(is(50)=5.60 MPa 50)=1.10 MPa 50)=3.40 MPa 50)=3.60 MPa	D (7.53m)
-	81.31					Continued on n		×			М		UC	CS=74.00 MPa	(9.70m) <u>-</u>
R	EMAR	KS:	S: Kb - Cretaceous aged Basalt (Unnamed).										LOGGED BY REVI		WED BY
													M Ensor	SI	Foley
							77.40.0	COTES	INICAL S	DELIGIE LOC CRESTER	AUTH HOLEDACE CL		•	-	

Queensland Government

GEOTECHNICAL BOREHOLE LOG

FINAL 08/09/2017

BOREHOLE No BH4

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FOR GEOTECHNICAL TERMS AND H12867 REFERENCE No SYMBOLS REFER FORM F:GEOT 017/8-2014 Valentine Creek Bridge Geotechnical Investigation PROJECT COORDINATES 214367.1 E; 7391794.9 N Pier 1, RHS LOCATION SURFACE RL 91.31m DATE STARTED 16/06/2017 FG6483 PLUNGE 90° GRID DATUM MGA 94 PROJECT No 02790/16A/001 HEIGHT DATUM AHD DATE COMPLETED 17/06/2017 DRILLER Schneider JOB No BEARING USCS WEATHERING ADDITIONAL DATA AND TEST RESULTS RQD INTACT STRENGTH DEFECT SPACING LITHOLOGY SAMPLES TESTS DEPTH (m) ()% SAMPLE RΙ MATERIAL DESCRIPTION CORE REC % BASALT (Kb) 100 SW: (Cont'd) (100) - J: 10°-45° (2/m), Pl-Stp/Ro, OP. Is(50)=4.60 MPa Is(50)=9.00 MPa A (10.50m) D (10.56m)-SW Is(50)=7.20 MPa D (11.50m) Is(50)=5.20 MPa A (11.62m) 79.51 100 Borehole completed at 11.80m 15 REMARKS: Kb - Cretaceous aged Basalt (Unnamed). **LOGGED BY REVIEWED BY** M Ensor S Foley TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI



Project Name	Valentine Creek I	Bridge Project (Capricorn Highway	16A)					
Project No.	FG6483		Date Comple		17/06/17				
Borehole No.	BH4		Reference Nu	ımber	H12867				
Location	Pier 1, RHS		Start Depth (n)	6.20				
Submitted By	Matthew Ensor		Finish Depth		11.80				
Remarks									
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SCALE (mm)									

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