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Queensland Government

GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND

FINAL 08/09/2017

BH3 BOREHOLE No

Sheet 1 of 2

H12866

REFERENCE No SYMBOLS REFER FORM F:GEOT 017/8-2014 Valentine Creek Bridge Geotechnical Investigation PROJECT COORDINATES 214365.9 E; 7391779.7 N Pier 1, LHS LOCATION SURFACE RL 90.76m FG6483 PLUNGE 90° DATE STARTED 15/06/2017 GRID DATUM MGA 94 PROJECT No DRILLER Schneider 02790/16A/001 HEIGHT DATUM AHD DATE COMPLETED 16/06/2017 JOB No BEARING USCS WEATHERING ADDITIONAL DATA AND TEST RESULTS RQD INTACT DEFECT SPACING SAMPLES TESTS LITHOLOGY ()% STRENGTH RΙ DEPTH SAMP MATERIAL DESCRIPTION CORE REC % ᇁᆂᆂᆂᆯᆜᆿᆒᆼᇬᇬᄛᇂᇂᇕ Gravelly SAND with cobbles (SP) (Alluvium) 90.36 Gravelly CLAY (Alluvium) Brown, moist, very stiff. Medium plasticity, medium to (CI) coarse grained gravel. N=29 SPT 89.36 BASALT (Kb) XW: Recovered as brown & grey, low plasticity, moist, very stiff to 9, 19, 27 hard, Clayey SILT. SPT XW 6, 9, 20 SPT 86.86 BASALT (Kb) 30/110 HW: Brown & grey, fine grained, massive, very low strength. 30/110 HW 30/105 84.26 Is(50)=0.70 MPa D (6.50m) (28) BASALT (Kb) MW 6.63m: 10mm, Cly & gravel MW: Dark grey & brown, fine HW 6.70m-6.83m; HFZ. MW grained, massive, mainly medium to 83.69 Is(50)=1.30 MPa D (7.00m) 7.06m: HW zone, 10mm high strength. Is(50)=2.10 MPa A (7.11m) 100 BASALT (Kb) (85) Is(50)=4.40 MPa Is(50)=0.84 MPa SW: Dark grey, fine grained, A (7.50m) massive, very high strength. D (7.58m) - J: 0°-20° (2/m), PI/Ro, OP, some Is(50)=6.90 MPa D (7.94m) Is(50)=4.50 MPa 100 A (8.05m) (100) UCS=210.00 MPa (8.35m) SW Is(50)=9.00 MPa D (8.60m) Is(50)=4.30 MPa A (8.93m)_ Is(50)=6.20 MPa A (9.51m) 100 Is(50)=4.50 MPa D (9.56m) (100) Continued on next sheet **REMARKS:** Kb - Cretaceous aged Basalt (Unnamed). **LOGGED BY REVIEWED BY** M Ensor S Foley TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE S

Queensland Government

GEOTECHNICAL BOREHOLE LOG

FINAL 08/09/2017

BOREHOLE No BH3

Sheet 2 of 2

16 100	27/1/2	Car								511		
		GOV	ernment		SYI		GEOTECHNICAL TE REFER FORM F:GE			REFERENCE No	н	12866
PROJECT	Valer	ntine Cre	ek Bridge Geotechnica	」 I Investigatio	on							
LOCATION	Pier :	1, LHS								COORDINATES 214365	5.9 E; 73917	79.7 N
PROJECT No	FG6483 SURFACE RL 90.76m			PLUNGE 90° DATE STARTEI			— _{ED} 15/06/201					
JOB No	02790/16A/001 HEIGHT DATUM AHD		M AHD	BEARING °			DATE COMPLETED 16/06/2013				-	
DEPTH (m) (m)	ING H BORING E DRILLING	RQD ()%	MATERIAL DE	SCRIPTION	ПТНОСОБУ	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
11	(ASNEA (ASNEA) (ASNEA) (ASNEA)	TORE TO THE NEW YORK TO THE NE	BASALT (Kb) SW: (Cont'd) - J: 0°-20° (<1/m), P Borehole comple		V	SW	H T T T T T T T T T T T T T T T T T T T	MM M M M M M M M M M M M M M M M M M M			Is(50)=7.90 MPa Is(50)=6.70 MPa Is(50)=8.40 MPa Is(50)=8.40 MPa	D (10.29m)— A (10.40m)— A (10.89m)—
- - - - - -							_					=
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REMARK	KS: K	(b - Cre	taceous aged Basa	lt (Unnam	ied).					LOGGED BY	REVII	EWED BY
										M Ensor	S	Foley
					Than crottee							



Duningt Name	Volentine Cucek Bridge Businet (Com	ioonn Highway 40 A									
Project Name	Valentine Creek Bridge Project (Capri		46/06/47								
Project No.	FG6483	Date Completed	16/06/17								
Borehole No.	BH3	Reference Number	H12866								
Location	Pier 1, LHS	Start Depth (m)	6.50								
Submitted By	Matthew Ensor	Finish Depth (m)	11.30								
Remarks											
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74											
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	FG6483										
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0 100	200 300 400	500 600	700								
	SCALE (mm)										

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