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Queensland Government

GEOTECHNICAL BOREHOLE LOG

FINAL 22/12/2017

BOREHOLE No BH7

Sheet 1 of 3

		%	19	Go	V	ernment	1Y2		GEOTECHNICAL TE REFER FORM F:GE			REFERENCE No	H1	12977
PROJECT		В	Beames Brook Bridge Replacement Project											
OCAT	ION	COORDINATES 324435.3 E; 8022517.3									17.3 N			
PROJECT No		F	FG6513			SURFACE RL 5.05m		PLUNGE 90°		DATE START	O9/11/201	7 GRID DATUM MGA94 Z54K		4K
IOB No		23	23/78A/14			HEIGHT DATUM AHD		BEARING °		DATE COMPLETED <u>11/11/2017</u>		7 DRILLER Saxon Drilling		ing
DEPTH (m)	R.L. (m)	AUGER CASING	WASH BORING CORE DRILLING	RQD ()%	SAMPLE	MATERIAL DESCRIPTION	ГІТНОГОСУ	USCS WEATHERING	INTACT STRENGTH 프	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- 1	4.75				А	SAND and GRAVEL with Clay (Fill) Brown, moist, dense. Fine to coarse and; fine to medium gravel. Sandy CLAY (Alluvium) Brown, dry, stiff. Medium plasticity; fine to medium				-			4, 5, 6 N=11	SPT
- - - - - - 2					В	rained sand. 1.0m: Becoming moist.		(CI)		- - - - - - - -			5, 4, 5 : N=9	SPT
- 3					С					- - - - - - - -			4, 5, 6 N=11	SPT
- - 4	1.55	-				Clayey SAND (Alluvium) Brown and grey brown, moist, medium dense. Fine to medium grained. Trace silt.			- - - - - - -	- - - - - - - - -	3.40m-3.50m: Grav medium	vel band, fine to	4, 6, 10 N=16	SPT
- 5					Е	Minor thin Sandy CLAY beds. Calcareous.				- - - - - - - -			5, 10, 20 N=30	SPT
- 6					F			(SP)		- - - - - - -			6, 8, 12 N=20	SPT
- 7					G	From 6.5m: Becoming dense.			- - - - - - -	- - - - - - -			10, 14, 18 N=32	SPT
- 8	-2.79	-				From 7.5m: Becoming very dense. Well Cemented GRAVEL (Alluvium)	17.7.7.000		-	- - - - - - - - -	7.84m-8.50m: Base observations		.6, 10/40mm hb	SPT
-	-3.45	-				Grey and brown, fine to coarse gravel clasts in a fine grained calcareous cement. SAND (Alluvium) Brown, moist, medium dense.	0000	(SP)		- - - - - - -			3, 16, 24 N=40	SPT
- g -	-4.05 -4.95	-				Locally iron stained. Silty CLAY (Alluvium) Pale grey mottled yellow-brown, moist, hard. Medium plasticity. Locally iron stained.	×_ ×_ ×_ ×_ ×_	(CI)		-			16, 20, 28 N=48	SPT
Continued on next sheet														
RE	MAR	KS:										LOGGED BY		WED BY
												R. Bruce	S.	Foley

Queensland Government

GEOTECHNICAL BOREHOLE LOG

FINAL 22/12/2017

BH7

BOREHOLE No

Sheet 2 of 3 FOR GEOTECHNICAL TERMS AND H12977 REFERENCE No SYMBOLS REFER FORM F:GEOT 017/8-2014 Beames Brook Bridge Replacement Project PROJECT COORDINATES 324435.3 E; 8022517.3 N LOCATION DATE STARTED 09/11/2017 GRID DATUM MGA94 Z54K FG6513 SURFACE RL 5.05m PLUNGE 90° PROJECT No 23/78A/14 HEIGHT DATUM AHD DATE COMPLETED 11/11/2017 DRILLER Saxon Drilling JOB No BEARING USCS WEATHERING ADDITIONAL DATA AND TEST RESULTS RQD INTACT DEFECT SPACING SAMPLES TESTS LITHOLOGY ()% SAMPLE STRENGTH DEPTH (RΙ MATERIAL DESCRIPTION (m) CORE REC % ᇁᆂᆂᆂᆿᅼᆿᇛᇬᇬᄛᇂᇂᇕ Silty CLAY (Alluvium) Cont'd. 12, 18, 25 N=43 SPT 16, 20, 30/90mr SPT 14, 26, 28 N=54 SPT (CI) 13 15, 21, 30 SPT 11, 16, 23 N=39 From 14.5m: Trace fine to coarse 0 grained sand. SPT 15 -10.45 17, 30/110mm Clayey SAND (Alluvium) SPT (SC) Pale brown mottled yellow-brown, -10.95 moist, very dense. Fine to medium (100) A (16.05m)_ grained sand, D (16.06m) Is(50)=1.44 MPa SILTSTONE Is(50)=2.95 MPa UCS=27.60 MPa (16.36m) MW: Pale grey mottled orange red, fine grained, high strength. Strong iron alteration throughout. Js: 0°-20° (4-6/m) PI/Ro, TI-OP, Fe MW Is(50)=0.78 MPa Is(50)=0.72 MPa A (17.75m) D (17.76m) VH 100 (81) 19 19.30m-19.60m: HW BZ HW 19.59m: BZ, 150mm MW Is(50)=2.08 MPa A (19.93m)⁻ Is(50)=1.73 MPa D (19.94m) Continued on next sheet **REMARKS: LOGGED BY REVIEWED BY** R. Bruce S. Foley TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

Queensland

GEOTECHNICAL BORFHOLF LOG

FINAL 22/12/2017

BOREHOLE No BH7

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Government Government		EOTECHNICAL TERMS AND EFER FORM F:GEOT 017/8-2014		REFERENCE No H		112977				
Beames Brook Bridge Replacement Pro	Beames Brook Bridge Replacement Project									
OCATION			_	COORDINATES 324435.3 E; 8022517.3 N						
PROJECT No FG6513 SURFACE RL 5			DATE STARTED 09/11/2017		IGA94 Z54					
DB No 23/78A/14 HEIGHT DATUM A	HD BEARING °	DATE COMPLET	ED 11/11/201	17 DRILLER Saxon Drilling		ng				
RQD ()% HILD HILD CORE REC %	LITH U WEAT	INTACT DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS				
S S S S S S S S S S	× × × × × × × × × × × × × × × × × × ×		20.47m-20.63m: H	NW BZ						
- 29		± 				- - - - - - - - - -				
REMARKS:				LOGGED BY		WED BY				
				R. Bruce	S. F	oley				

CORE PHOTO LOG
DEPARTMENT OF TRANSPORT AND MAIN ROADS
GEOTECHNICAL SECTION



Project Name	Beames Brook Bridge Replacement						
Project No.	FG6513	Date	11/11/2017				
Borehole No.	BH7	Reference No.	H12977				
Location	Abutment B, LHS	Start Depth (m)	16.00				
Submitted By	M. de Gee	Finish Depth (m)	20.97				

