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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH1**
Sheet 1 of 3
REFERENCE No **H12973**

PROJECT Beames Brook Bridge Replacement Project
LOCATION _____ COORDINATES 324440.4 E; 8022488.6 N
PROJECT No FG6513 SURFACE RL 5.02m PLUNGE 90° DATE STARTED 07/11/2017 GRID DATUM MGA94 Z54K
JOB No 23/78A/14 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 08/11/2017 DRILLER Saxon 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		
4.22				A	SAND with Clay (Fill) Pale brown, dry, very dense. Fine to coarse grained; with fine to medium gravel, subrounded to subangular.	(SC)						10/20mm hb	SPT
1				B	Sandy CLAY (Alluvium) Yellow brown mottled pale grey, moist, very stiff. Medium plasticity; fine to coarse grained; trace fine to medium gravel, subrounded to subangular. Calcareous. Locally iron stained.							5, 10, 13 N=23	SPT
2				C	From 2.4m: Trace fine to medium gravel, subrounded to subangular.							7, 12, 16 N=28	SPT
3				D		(CI)						5, 9, 11 N=20	SPT
4				E	From 4.5m: Becoming hard.							10, 11, 22 N=33	SPT
5				F	From 5.5m: Becoming very stiff.							7, 13, 12 N=25	SPT
6	-0.98			G	SAND (Alluvium) Dark brown, moist, medium dense. Fine to medium grained. Trace clay. With fine to medium gravel, subrounded.							7, 11, 15 N=26	SPT
7				H	From 7.0m: Becoming loose.	(SP)						4, 4, 5 N=9	SPT
8	-2.98		(0)		Well Cemented GRAVEL MW: Pale grey, fine to medium gravel clasts in fine grained calcareous cement, high strength.	MW							
9	-3.83		100 (35)										
9	-4.48		35										
9	-4.98			I	Silty CLAY (Alluvium) See over.	(CI)						11, 19, 27 N=46	SPT

Continued on next sheet

REMARKS:

LOGGED BY	REVIEWED BY
R. Bruce	S. Foley



Queensland Government

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No BH1
Sheet 2 of 3
REFERENCE No H12973

PROJECT Beames Brook Bridge Replacement Project
LOCATION
COORDINATES 324440.4 E; 8022488.6 N
PROJECT No FG6513 SURFACE RL 5.02m PLUNGE 90° DATE STARTED 07/11/2017 GRID DATUM MGA94 Z54K
JOB No 23/78A/14 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 08/11/2017 DRILLER Saxon Drilling

Table with columns: DEPTH (m), R.L. (m), AUGER, CASING, WASH BORING, CORE DRILLING, CORE REC %, RQD (%), SAMPLE, MATERIAL DESCRIPTION, LITHOLOGY, USCS WEATHERING, INTACT STRENGTH, DEFECT SPACING, ADDITIONAL DATA AND TEST RESULTS, SAMPLES TESTS. Includes soil descriptions like Silty CLAY and SILTSTONE, and SPT test results.

Continued on next sheet

REMARKS:

LOGGED BY R. Bruce
REVIEWED BY S. Foley



GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No	<u>BH1</u>
Sheet 3 of 3	
REFERENCE No	<u>H12973</u>

PROJECT <u>Beames Brook Bridge Replacement Project</u>
LOCATION _____ COORDINATES <u>324440.4 E; 8022488.6 N</u>
PROJECT No <u>FG6513</u> SURFACE RL <u>5.02m</u> PLUNGE <u>90°</u> DATE STARTED <u>07/11/2017</u> GRID DATUM <u>MGA94 Z54K</u>
JOB No <u>23/78A/14</u> HEIGHT DATUM <u>AHD</u> BEARING ° _____ DATE COMPLETED <u>08/11/2017</u> DRILLER <u>Saxon Drilling</u>

DEPTH (m)	R.L. (m)	AUGER	CASING	WASH BORE	CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH										DEFECT SPACING										ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
												INTACT STRENGTH										DEFECT SPACING											
												EH	VH	H	M	L	VL	EL	EC	VC	C	M	W	VW	EW								
21							100		SILSTONE MW: Cont'd.	XXXXXXXXXXXX XXXXXXXXXXXX	MW																					Is(50)=1.01 MPa Is(50)=1.54 MPa A (20.36m) D (20.37m)	
22	-16.83								Borehole completed at 21.85m																								
23																																	
24																																	
25																																	
26																																	
27																																	
28																																	
29																																	

REMARKS:	LOGGED BY	REVIEWED BY
	R. Bruce	S. Foley

Project Name	Beames Brook Bridge Replacement		
Project No.	FG6513	Date	14/11/2017
Borehole No.	BH1	Reference No.	H12973
Location	Abutment A, LHS	Start Depth (m)	8.00 and 17.00
Submitted By	M. de Gee	Finish Depth (m)	9.50 and 21.85

