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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH3**
Sheet 1 of 3
REFERENCE No **H12974**

PROJECT Beames Brook Bridge Replacement Project
 LOCATION _____ COORDINATES 324436.1 E; 8022494.6 N
 PROJECT No FG6513 SURFACE RL 4.33m PLUNGE 90° DATE STARTED 08/11/2017 GRID DATUM MGA94 Z54K
 JOB No 23/78A/14 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 09/11/2017 DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	FOUGER CASING WASHBORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH											DEFECT SPACING											ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								INTACT STRENGTH											DEFECT SPACING												
0	3.83			A	Clayey SAND (Alluvium) Pale brown, moist, medium dense. Fine to coarse sand; with fine to medium gravel, subangular.	(SC)																								6, 5, 6 N=11	SPT
1				B	Silty CLAY (Alluvium) Brown mottled grey-brown, moist, stiff. Medium plasticity; trace fine to coarse grained sand; trace fine to medium gravel, subangular; trace rootlets. 2.0m: Becoming very stiff.	(CI)																								3, 4, 7 N=11	SPT
2				C																										7, 9, 12 N=21	SPT
3	0.83			D	Silty Clayey SAND (Alluvium) Pale grey mottled pale brown, moist, medium dense. Fine to coarse grained sand; trace fine to medium gravel, subangular. Weakly calcareous.	(SC)																								5, 6, 10 N=16	SPT
4				E																										6, 10, 11 N=21	SPT
5				F																										2, 7, 11 N=18	SPT
6				G																										5, 9, 11 N=20	SPT
7				H																										95/110mm hb	SPT
8	-3.42		(0) 100		Well Cemented GRAVEL Grey, fine to coarse gravel clasts in a fine grained calcareous cement, high strength.	MW																								15, 19, 25 N=44	SPT
9	-3.72		(60) 100	I	Silty CLAY (Alluvium) Pale yellow-brown mottled pale grey and red-brown, moist, hard.	(CI)																								12, 17, 24 N=41	SPT
10	-5.67			J	Medium plasticity; trace fine to medium grained sand. Locally iron stained.																										

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REMARKS:

LOGGED BY	REVIEWED BY
R. Bruce	S. Foley



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BOREHOLE No **BH3**

Sheet 2 of 3

REFERENCE No **H12974**

PROJECT Beames Brook Bridge Replacement Project

LOCATION _____ COORDINATES 324436.1 E; 8022494.6 N

PROJECT No FG6513 SURFACE RL 4.33m PLUNGE 90° DATE STARTED 08/11/2017 GRID DATUM MGA94 Z54K

JOB No 23/78A/14 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 09/11/2017 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
11				K	Silty CLAY (Alluvium) Cont'd.					16, 23, 30/120mm hb	SPT
12				L						12, 22, 25 N=47	SPT
13				M		(CI)				14, 17, 22 N=39	SPT
14				N						13, 22, 26 N=48	SPT
15				O						14, 19, 25 N=44	SPT
16	-11.17		(100)		SILTSTONE MW: Pale grey mottled orange red, fine grained, generally medium to high strength. Strong iron alteration - BP: 0°-15° (2-3/m), PI-Un/Ro, TI- OP, Fe St			MH M		Is(50)=0.80 MPa Is(50)=0.98 MPa	A (15.56m) D (15.57m)
17								M		UCS=11.20 MPa	(16.55m)
18			100 (95)			MW		H C		Is(50)=0.30 MPa	A (16.95m)
19								M M		Is(50)=1.59 MPa	A (18.48m)
	-15.67							H M			

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R. Bruce	S. Foley



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BOREHOLE No BH3
Sheet 3 of 3
REFERENCE No H12974

PROJECT Beames Brook Bridge Replacement Project
LOCATION
COORDINATES 324436.1 E; 8022494.6 N
PROJECT No FG6513 SURFACE RL 4.33m PLUNGE 90° DATE STARTED 08/11/2017 GRID DATUM MGA94 Z54K
JOB No 23/78A/14 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 09/11/2017 DRILLER Saxon Drilling

Table with columns: 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. Includes data for SILTSTONE MW: Cont'd. and a note 'Borehole completed at 20.75m'.

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

Project Name	Beames Brook Bridge Replacement		
Project No.	FG6513	Date	9/11/2017
Borehole No.	BH3	Reference No.	H12974
Location	Pier 1, LHS	Start Depth (m)	7.75 and 15.50
Submitted By	M. de Gee	Finish Depth (m)	8.50 and 20.75

