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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH6**
Sheet 1 of 3
REFERENCE No **H12976**

PROJECT Beames Brook Bridge Replacement Project
 LOCATION _____ COORDINATES 324447.6 E; 8022514.7 N
 PROJECT No FG6513 SURFACE RL 4.98m PLUNGE 90° DATE STARTED 13/11/2017 GRID DATUM MGA94 Z54K
 JOB No 23/78A/14 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 14/11/2017 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
1	3.98			A	Silty CLAY with Sand (Alluvium) Brown, dry, stiff. Medium plasticity; fine to coarse sand.	(CI)				7, 6, 4 N=10	SPT
2				B	Silty CLAY with Sand (Alluvium) Grey, wet, firm. High plasticity; fine to medium grained sand, rounded.					Su(PP)=45 kPa	U50
3				C		(CH)			2.50m: Tree root	5/10mm hb	SPT
4	0.98			D						1, 2, 2 N=4	SPT
5				E	Clayey SAND (Alluvium) Brown, moist, loose. Fine to medium grained sand, rounded; trace clay; trace roots.					2, 2, 3 N=5	SPT
6				F	From 5.5m: Trace fine to medium gravel, subrounded. Becoming medium dense.					6, 9, 12 N=21	SPT
7				G	From 6.5m: Becoming dense.	(SC)				6, 14, 26 N=40	SPT
8				H					7.40m-7.50m: Well Cemented GRAVEL layer. Based on drilling observations.	18, 24, 25 N=49	SPT
9	-3.32 -3.57		(83) 83	I	Well Cemented GRAVEL (Alluvium) Grey and brown, fine to coarse gravel clasts in a fine grained calcareous cement, medium strength.	(SP)				Is(50)=0.58 MPa Is(50)=0.66 MPa 7, 28, 30/110mm	A (8.36m) D (8.37m) SPT
	-4.72			J	SAND with Clay (Alluvium) Brown, moist, very dense. Sand is fine to medium grained. Minor thin, well cemented bands.					19, 23, 30/110mm	SPT

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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 BH6
Sheet 2 of 3
REFERENCE No H12976

PROJECT Beames Brook Bridge Replacement Project
LOCATION
COORDINATES 324447.6 E; 8022514.7 N
PROJECT No FG6513 SURFACE RL 4.98m PLUNGE 90° DATE STARTED 13/11/2017 GRID DATUM MGA94 Z54K
JOB No 23/78A/14 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 14/11/2017 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 test results like SPT and Is(50).

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	BH6
Sheet	3 of 3
REFERENCE No	H12976

PROJECT	Beames Brook Bridge Replacement Project				
LOCATION				COORDINATES 324447.6 E; 8022514.7 N	
PROJECT No	FG6513	SURFACE RL	4.98m	PLUNGE	90°
				DATE STARTED	13/11/2017
				GRID DATUM	MGA94 Z54K
JOB No	23/78A/14	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	14/11/2017
				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
												INTACT STRENGTH							DEFECT SPACING								
												EH	VH	H	M	L	VL	EL	EC	VC	C	M	W	VW	EW		
	-15.72					100			SILTSTONE MW: Cont'd.	XXXXXX	MW	H															
									Borehole completed at 20.70m																		
21																											
22																											
23																											
24																											
25																											
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27																											
28																											
29																											

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

CORE PHOTO LOG
 DEPARTMENT OF TRANSPORT AND MAIN ROADS
 GEOTECHNICAL SECTION



Project Name	Beames Brook Bridge Replacement		
Project No.	FG6513	Date	14/11/2017
Borehole No.	BH6	Reference No.	H12976
Location	Pier 2. RHS	Start Depth (m)	8.30 and 15.70
Submitted By	M. de Gee	Finish Depth (m)	8.60 and 20.70

