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GEOTECHNICAL BOREHOLE LOG

FINAL 22/12/2017

BH5 **BOREHOLE No**

Sheet 1 of 3 FOR GEOTECHNICAL TERMS AND H12975 REFERENCE No SYMBOLS REFER FORM F:GEOT 017/8-2014 Beames Brook Bridge Replacement Project PROJECT COORDINATES 324435.1 E; 8022513.4 N LOCATION DATE STARTED 09/11/2017 GRID DATUM MGA94 Z54K FG6513 SURFACE RL 4.79m 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 with Sand (Alluvium) Brown, moist, firm. Fine to coarse grained sand. Medium plasticity. Becoming grey, wet SPT В SPT U50 (CI) Su(PP)=45 kPa Trace fine to medium grained sub-D rounded gravel. SPT Becoming stiff. Trace of rootlets. SPT -0.71 5, 8, 9 N=17 Clayey SAND (Alluvium) SPT Dark brown grey, moist, medium dense. Fine to medium grained. (SP) Calcareous. Trace fine to medium grained sub--1.71 rounded gravel. 30/140mm Well Cemented GRAVEL HW: Brown and grey, fine to coarse gravel clasts in a fine grained calcareous cement, mainly very low to medium strength. HW (0) A (7.58m) D (7.59m) 7.75-7.95m: Sand layer 100 Is(50)=0.65 MPa (0) 20 HW 4.41 Silty CLAY (Alluvium) Pale grey mottled brown, moist, 13, 18, 25 N=43 (CI) hard. Trace fine to coarse grained SPT sand. Medium plasticity. Continued on next sheet **REMARKS: LOGGED BY REVIEWED BY** R. Bruce S. Foley TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

Queensland Government

GEOTECHNICAL BOREHOLE LOG

FINAL 22/12/2017

BOREHOLE No BH5

Sheet 2 of 3

FOR GEOTECHNICAL TERMS AND H12975 REFERENCE No SYMBOLS REFER FORM F:GEOT 017/8-2014 Beames Brook Bridge Replacement Project PROJECT COORDINATES 324435.1 E; 8022513.4 N LOCATION DATE STARTED 09/11/2017 GRID DATUM MGA94 Z54K FG6513 SURFACE RL 4.79m 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 DEPTH (m) SAMPLE STRENGTH RΙ MATERIAL DESCRIPTION CORE REC % 펖主프피닉릭 [리싱스포>>] Silty CLAY (Alluvium) Cont'd. 14, 21, 30/140mn SPT 17, 23, 30/130mr SPT 14, 18, 30 (CI) SPT 13 SPT 15, 19, 20 N=39 SPT Clayey sand band. Fine to coarse grained sand. 15 -10.51 (100) A (15.35m) SILTSTONE MW: Pale grey mottled orange red, Is(50)=3.02 MPa UCS=24.80 MPa (15.68m) fine grained, mainly high strength. Strong iron alteration. 16 -J's: 0°-15° (1-2/m), Pl-Un/Ro, Tl, FeSt. 17 MW 100 Is(50)=1.96 MPa A (18.79m) Is(50)=0.27 MPa D (18.80m) ___ 19.45m-19.51m: BZ Continued on next sheet **REMARKS: LOGGED BY REVIEWED BY** R. Bruce S. Foley

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

GEOTECHNICAL

FINAL 22/12/2017

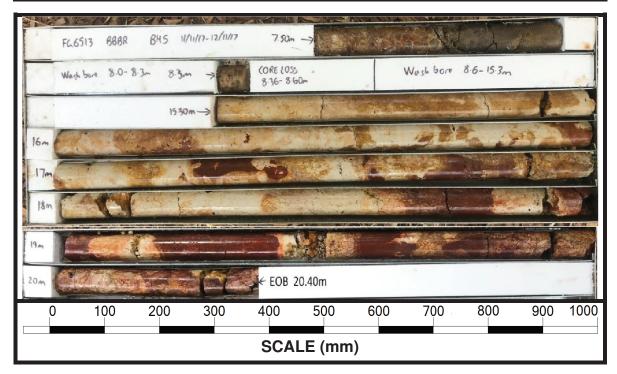
BOREHOLE No BH5

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		ίΟV	ernment				EOTECHNICAL TEI			REFERENCE No	H1	2975
PROJECT	Beames	Brook	Bridge Replacement Pr	oject								
LOCATION										COORDINATES 324435.1	E; 802251	3.4 N
PROJECT No	ROJECT No FG6513 SU		SURFACE RL	4.79m P	PLUNGE 90°)°	DATE STARTED 09/11/2017		GRID DATUM MGA94 Z54K		4K
OB No 23/78A/14		HEIGHT DATUM AHD		BEARING °			DATE COMPLETED 11/11/2017		DRILLER Saxon Drilling		ng	
DEPTH (m)		% SAMPLE	MATERIAL DESC	RIPTION 5	USCS	WEATHERING	INTACT STRENGTH	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29	10		SILTSTONE MW: Cont'd. Borehole completed	d at 20.40m	×		W	M VC				
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REMARK	ζS:									LOGGED BY	REVIE	WED BY
										R. Bruce		oley

CORE PHOTO LOGDEPARTMENT OF TRANSPORT AND MAIN ROADS
GEOTECHNICAL SECTION



Project Name	Beames Brook Bridge Replacement						
Project No.	FG6513	Date	9/11/2017				
Borehole No.	BH5	Reference No.	H12975				
Location	Pier 2, LHS	Start Depth (m)	7.50, 8.30 and 15.30				
Submitted By	M. de Gee	Finish Depth (m)	8.0, 8.60 and 20.40				



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