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Government**

GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER TO TMR FORM F:GEOT 017/10 - 2019

BOREHOLE No **BH09**

Sheet 1 of 3

REFERENCE No **H13329**

PROJECT	Centenary Bridge Upgrade				
LOCATION	Koorngal Drive Park, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES 494708.00 E; 6954942.94 N	
PROJECT No	FG18012	SURFACE RL	10.70m	PLUNGE	90°
				DATE STARTED	04/03/2019
				GRID DATUM	MGA94 56J
JOB No	498/05038	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	04/03/2019
				DRILLER	Schneider Drillin

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING CORE REC %	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY GROUP SYMBOL / WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
1				A	Silty CLAY trace sand (Alluvium) Pale brown, moist, very stiff. 60% clay, medium plasticity 35% silt, medium plasticity 5% fine grained sand.	(CI)			0.00m: ASS samples collected at 0.5m intervals and from SPT samples.	8, 9, 10 N=19 SPT
2				B						10, 12, 16 N=28 SPT
3				C	2.60m Becoming high plasticity, no sand.					9, 11, 15 N=26 SPT
4				D						8, 15, 18 N=33 SPT
5				E						7, 11, 16 N=27 SPT
6				F						7, 10, 13 N=23 SPT
7				G						7, 11, 14 N=25 SPT
8				H						6, 12, 15 N=27 SPT
9	2.19			I	Silty SAND with clay (Alluvium) Pale brown and orange-brown, moist, medium dense. 65% fine grained sand 25% silt, high plasticity 10% clay, high plasticity.	(SM)				8, 11, 16 N=27 SPT
	0.94				Silty CLAY (Alluvium)	CH				
	0.70									

REMARKS:

LOGGED BY

S. Manson

REVIEWED BY

S. Foley



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BOREHOLE No **BH09**

Sheet 2 of 3

REFERENCE No **H13329**

PROJECT	Centenary Bridge Upgrade				
LOCATION	Koorinal Drive Park, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES 494708.00 E; 6954942.94 N	
PROJECT No	FG18012	SURFACE RL	10.70m	PLUNGE	90°
				DATE STARTED	04/03/2019
				GRID DATUM	MGA94 56J
JOB No	498/05038	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	04/03/2019
				DRILLER	Schneider Drillin

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING CORE REC %	RQD (%) % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY GROUP SYMBOL / WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
11				J	Silty CLAY (Alluvium) Grey and orange-brown, moist, very stiff. 70% clay, high plasticity 30% silt, medium to high plasticity.				6, 7, 12 N=19	SPT
12				K					5, 6, 7 N=13	SPT
13				L	11.80m Becoming dark grey, firm.				1, 1, 4 N=5	SPT
14				M					Su(PP)=98 kPa	U75
15				N	14.00m Becoming very soft to soft.				hw, hw, 3 N=3 LL=85% Pl= 65% LS=12%	SPT
16				O		CH			Su(PP)=100 kPa	U75
17				P	16.20m Sandy CLAY band. 58% fines, high plasticity 42% fine grained sand, sub-rounded grains.				hw, hw, hw N<1	SPT
18				Q					hw, hw, 5 N=5 MC=46% <75µm= 58%	SPT
19				R					1, hw, hw N<1	SPT
19				S	19.00m Becoming very stiff.				2, 6, 10 N=16	SPT
-9.30										

REMARKS:

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S. Manson

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BOREHOLE No **BH09**
Sheet 3 of 3
REFERENCE No **H13329**

PROJECT Centenary Bridge Upgrade

LOCATION Kooringal Drive Park, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore COORDINATES 494708.00 E; 6954942.94 N

PROJECT No FG18012 SURFACE RL 10.70m PLUNGE 90° DATE STARTED 04/03/2019 GRID DATUM MGA94 56J

JOB No 498/05038 HEIGHT DATUM m AHD BEARING DATE COMPLETED 04/03/2019 DRILLER Schneider Drillin

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY GROUP SYMBOL / WEATHERING	INTACT STRENGTH					DEFECT SPACING					ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
							EH	_VH	_H	_M	_L	_VL	EC	_VC	_C	_M			_W	_VW
	-9.76			T	Silty CLAY (Alluvium) continued.	CH											4, 7, 9 N=16	SPT		
					Borehole completed at 20.45 m															
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				

REMARKS:	LOGGED BY	REVIEWED BY
	S. Manson	S. Foley