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**Queensland
Government**

GEOTECHNICAL AUGER BOREHOLE LOG

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

BOREHOLE No **AU01**

Sheet 1 of 1

REFERENCE No **H13454**

PROJECT	Centenary Bridge Upgrade				
LOCATION	Southbound M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES 494714.62E; 6954613.37N	
PROJECT No	FG18012	SURFACE RL	8.77m	PLUNGE	90°
				DATE STARTED	27/05/2019
				GRID DATUM	MGA94 56J
JOB No	498/05038	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	27/05/2019
				DRILLER	All Tech Drilling

DEPTH (m)	R.L. (m)	AUGER SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	GROUP SYMBOL / WEATHERING	Dynamic Cone Penetrometer (DCP) Blows Per 100mm				ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
						5	10	15	20		
0.10	8.67		ASPHALT (FILL)								
		A	Sandy GRAVEL with silt (FILL) brown, dry, dense. Some Cement Treated Base (CTB). 62% fine to medium grained gravel, sub-angular to sub-rounded grains. 31% fine grained sand. 7% fines.		GM					MC= 7% <75µm= 7% CBR= 40%	BULK
0.45	8.32		Silty SAND (FILL) brown, moist, loose to medium dense. fine grained sand.		(SP-SM)					0.40m: Water added to assist in auger drilling.	
0.50											
0.60	8.17		Clayey SAND (FILL) orange-brown, moist, loose-medium dense. fine to coarse grained sand. clay, low plasticity.		(SW-SC)						
0.70	8.07		CLAY with sand (Alluvium) (Qa) dark brown, moist, firm. 77% clay, medium plasticity. 22% sand. 1% fine grained gravel, sub-rounded grains.							LL= 36% PI= 23% MC= 7.8% LS= 12% WPI=2143 <75µm= 77% CBR= 2.5%	
1.00											
1.50		B	From 1.50m: becoming stiff.		CI						BULK
			From 1.70m: becoming very stiff.								
2.00			From 1.90m: becoming hard.								
2.50	6.27		Borehole completed at 2.50 m.								

REMARKS Original asphalt at test location removed by excavator mounted profiler.
Test location backfilled with compacted Type 2.3 material, compacted hot mix asphalt and joint sealant

LOGGED BY

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REVIEWED BY

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