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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 **AU11**

Sheet 1 of 1

REFERENCE No **H13464**

PROJECT	Centenary Bridge Upgrade				
LOCATION	Northbound M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES 494819.13E; 6955484.32N	
PROJECT No	FG18012	SURFACE RL	32.72m	PLUNGE	90°
				DATE STARTED	30/05/2019
GRID DATUM	MGA94 56J				
JOB No	498/05038	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	30/05/2019
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		
0.05	32.67		ASPHALT (FILL)								
0.15	32.58		Sandy GRAVEL (FILL) grey, dry, very dense. fine grained gravel, angular grains. fine grained sand.		(GP)						
		A	Silty Sandy GRAVEL (FILL) brown, moist, loose to medium dense. 57% fine to coarse grained gravel. 40% fine to medium grained sand, angular to sub-angular. 13% silt, low plasticity.		GM					LL= 28% PI= 3% MC= 6.9% LS= 2% WPI=75 <75µm= 13% CBR= 25%	BULK
0.50	32.22		Gravelly CLAY with sand (Residual) (Rif) purple-grey and pale red-grey mottled, moist, stiff. 35% clay, medium plasticity. 41% gravel. 24% fine to medium grained sand. From 0.60m: becoming hard.		CI					LL= 38% PI= 20% MC= 12.1% LS= 9% WPI=909 <75µm= 35% CBR= 2.5%	BULK
1.00	31.72		CLAY trace sand and gravel (Residual) dark brown and purple-grey, moist, hard. 78% clay, medium plasticity. 11% fine to medium grained sand. 11% medium to coarse grained gravel, angular to sub-angular grains.		CI					LL= 45% PI= 26% MC= 12.9% LS= 14% WPI=1126 <75µm= 78% CBR= 1.5%	BULK
1.50		C									
2.00	30.72		Borehole completed at 2.00 m.							1.80m: Possible XW bedrock at 1.80m	
2.50											

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

REVIEWED BY

H. Menon

S. Foley