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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 **Location 05**

Sheet 1 of 1

REFERENCE No **H13834**

PROJECT	M5 Centenary Bridge Upgrade - Northern Riverbank Geotechnical Investigation				
LOCATION	Brisbane River, 27 Vidgen Lane, Kenmore, M5 Centenary Bridge			COORDINATES 494750.98E; 6955214.04N	
PROJECT No	FG19080	SURFACE RL	1.47m	PLUNGE	90°
				DATE STARTED	10/12/2019
JOB No	498/05146	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	11/12/2019
				DRILLER	M. Hayes

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		
0.20	1.27	A	sandy CLAY (Alluvium) brown, dry to moist, soft medium plasticity, fine to medium grained sand fraction, with silt, with trace root fibre		(CI)					MC= 27.8%	DIST
0.50		B	silty CLAY (Alluvium) grey and brown, moist, soft high plasticity, with trace fine to medium grained sand, with trace root fibre		CH					0.35m: Su(FSV)= 58/24 kPa LL= 54% PI= 31% MC= 46% LS= 14% <75µm= 81%	DIST
			at 0.45 m: becoming firm								
0.75	0.72	C	at 0.65 m: with medium to coarse grained angular gravel (colluvial layer)							0.55m: Su(FSV)= 30/10 kPa 0.6m: Su(FSV)= 40/18 kPa	MC= 39.7% DIST
1.00		D	silty CLAY (Alluvium) grey, wet, very soft to firm high plasticity, material too soft/wet to retrieve U63 sample		(CH)					MC= 71%	DIST
1.50	-0.03	E	ARGILLITE (Dcf) HW: green-grey, very low strength at 1.55 m: low strength		HW					MC= 94.5%	DIST
1.60	-0.13		Borehole completed at 1.60 m.								

REMARKS Groundwater seepage at 0.5 m depth (bore drilled at high tide)

LOGGED BY

REVIEWED BY

M. Hayes

S. Foley