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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 04**

Sheet 1 of 1

REFERENCE No **H13833**

PROJECT	M5 Centenary Bridge Upgrade - Northern Riverbank Geotechnical Investigation				
LOCATION	Brisbane River, 27 Vidgen Lane, Kenmore, M5 Centenary Bridge			COORDINATES 494748.95E; 6955218.78N	
PROJECT No	FG19080	SURFACE RL	3.70m	PLUNGE	90°
				DATE STARTED	11/12/2019
JOB No	498/05146	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	12/12/2019
				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		
		A	clayey cobbly GRAVEL / gravelly cobbly CLAY (Colluvium) brown and pale brown, dry, loose to medium dense medium plasticity, fine to coarse grained angular gravel fraction, cobbles 63 mm to 150 mm, with fine to medium grained sand, with silt		(CI)					MC= 3.8%	DIST
0.40	3.30	B	sandy CLAY (Alluvium) brown, moist, firm low plasticity, fine to medium grained sand fraction		CL					LL= 30% PI= 11% MC= 18.8% LS= 6% <75µm= 42%	DIST
0.90	2.80	C	clayey SAND (Alluvium) brown, dry to moist, medium dense fine to medium grained sand fraction, with silt		(SC)					MC= 10.8%	DIST
1.00		D	at 1.0 m: with fine to medium grained angular gravel							MC= 7.7%	DIST
1.30	2.40		at 1.25 m: with cobbles. (likely to be a colluvial deposit) hand auger refusal in cobbles. Borehole completed at 1.30 m.								
1.50											
2.00											
2.50											

0.8m: Su(FSV)= 24/10 kPa

REMARKS No free groundwater observed. Colluvial cobbles and boulders observed between Locations 02 and 04 Rock outcrop at 0474532E 6955228N (handheld GPS recorded location) comprising highly weathered, orange-brown and green-grey, low to medium strength argillite. Foliation Dip and Dip Direction ~45°/225°

LOGGED BY

M. Hayes

REVIEWED BY

S. Foley