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**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

BOREHOLE No **AH28A**

SHEET **1** of **1**

REFERENCE No **H9697**

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Ipswich Motorway. About Chainage 11048m, 10m left of control MC20. COORDINATES 30195.3 E; 147674.2 N

PROJECT No FG5404 SURFACE R.L. 22.27 DATE STARTED 08/06/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 08/06/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							EH	VH	IN	J	VL	EL			
0	22.27														
					SANDY CLAY (Alluvium) Mottled grey / brown.									From drillers logs only.	
	21.77														
					CLAYEY SAND (Alluvium) Brown, fine grained, slightly moist, medium dense. Contains trace gravel up to 10mm size.	SC								8/6/05 Water inflow observed at time of drilling.	
1	21.27														
					CLAYEY SILT (Alluvium) Pale brown-grey, slightly moist, medium dense.	ML								6,10,15 N=25 MC=17.8%	SPT
	20.77														
					SANDY CLAY (Residual) Pale grey with orange-brown iron staining, fine grained, moist, medium plasticity, stiff. Varies to Clayey Sand in parts.	CI								3,5,7 N=12 MC=15.6%	SPT
2	20.27														
					SANDSTONE Pale grey with orange brown iron staining, fine grained, moist, medium dense. Exhibits properties of Clayey Sand. Varies to Sandy Clay in parts.									4,6,10 N=16 MC=12.2%	SPT
						XW								4,7,13 N=20 MC=14.2%	SPT
3														Possible faint structure / fabric visible in parts.	
					Pale grey, minor orange iron staining, fine grained.									10,20,25 N=45 MC=11.8%	SPT
	18.82													Engineering properties of dense Clayey Sand.	
					Borehole terminated at 3.45m										
4															
5															
6															
7															
8															
9															
10															

REMARKS Perched water at 0.8m depth - As in AH28.

LOGGED BY
JML

ENGINEERING BOREHOLE FG5404 - AUGER 6.9.05.GPJ QLD MAIN ROADS GDT 16/11/05