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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 AH7

SHEET 1 of 1

REFERENCE No H9674

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Ipswich Motorway, About Chainage 11903m, 5m right of control MC20. COORDINATES 29517.7 E; 147169.8 N

PROJECT No FG5404 SURFACE R.L. 13.32 DATE STARTED 27/05/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 27/05/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	AUGER	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)			GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	EV	HM	HL	JL	VL	EL	20			
0	13.32					SILT (Topsoil) Grey. SILT and GRAVEL (Fill) Pale brown, minor iron staining in parts, dry, very dense. Contains gravel up to 25mm size.										From drillers logs only.		
1	12.32					CLAYEY SILT (Fill?) Pale brown-grey, minor iron staining and slight cementation in parts, dry. Trace gravel and mottling.										18,25,23 N=48	SPT	
	11.82					CLAYEY SAND (Fill?) Pale grey-brown with minor iron staining, fine - medium grained, moist, loose. Trace red mottling and varies to firm Sandy Clay in parts. Trace gravel up to 20mm size.										8,8,7 N=15	SPT	
2	11.02					SILTY CLAY / SANDY CLAY (Alluvium) Dark brown, organic odour. Old soil profile. Becoming grey - brown, minor iron staining, soft. Trace organics.										7,3,3 N=6	SPT	
3	9.82					SHALE Pale grey-brown, minor orange iron staining, moist, stiff - very stiff. Trace charcoal and varies to Sandy Clay in parts.	CI									1,2,3 N=5	SPT	
4	8.37					SHALE Pale grey- pale brown, minor orange iron staining throughout, moist. Relict rock structure and kernels of less weathered rock visible in parts. Exhibits engineering properties of stiff - very stiff Clay.										1,1,2 N=3 PI=25 LL=43 UU TRI LS=12 WD=2.08, DD=1.8, MC=15.3, WPI=2073 PP(Su) = 147 KPa	SPT	
5						Borehole terminated at 4.95m										3,5,7 N=12	SPT	
6																5,6,8 N=14	SPT	
7																6,7,10 N=17	SPT	
8																		
9																		
10																		

REMARKS No standing groundwater encountered at time of drilling.

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