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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 AH6

SHEET 1 of 1

REFERENCE No H9673

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Near Ipswich Motorway, About Chainage 1040m, on control MCJ1-C. COORDINATES 29533.5 E; 147151.7 N

PROJECT No FG5404 SURFACE R.L. 12.91 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	EH	EH	EH	EH	20	60	200				600	2000
0	12.91					SILTY GRAVEL (Fill)														
						Brown, minor iron staining, dry. Contains gravel up to 20mm size. Dense.											From drillers logs only.			
1	11.61					Brown, moist, firm.											20,19,15 N=34	SPT		
	11.41					CLAYEY SILT (Alluvium) Dark brown, minor organics, loose.	ML											4,2,3 N=5	SPT	
2	10.91					SANDY CLAY (Residual) Pale brown, minor orange-red mottling and iron stains, fine grained, moist. Stiff - very stiff.	CI												PP(Su) = 186 KPa	U48
						SHALE													2,3,4 N=7	SPT
						Grey, minor orange-brown iron staining throughout, moist. Relict rock structure and kernels of less weathered rock up to 20mm size visible in parts. Exhibits engineering properties of stiff - very stiff Clay. Occasional red iron staining.	XW												3,6,7 N=13	SPT
3																			3,6,7 N=13	SPT
4																			4,7,9 N=16	SPT
																			5,7,10 N=17	SPT
5																			4,7,10 N=17	SPT
	7.46					Becoming hard. Minor brown rubbly, iron stained bands. Sub-horizontal structure visible.	HW												5,9,23 N=32	SPT
6						Borehole terminated at 5.45m														
7																				
8																				
9																				
10																				

REMARKS No standing groundwater encountered at time of drilling.

LOGGED BY
JML