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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 AH46

SHEET 1 of 1

REFERENCE No H9712

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Ipswich Motorway, About Chainage 13048m, 14m right of control MC20 COORDINATES 28418.7 E; 146954.3 N

PROJECT No FG5404 SURFACE R.L. 11.38 DATE STARTED 11/08/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 11/08/05 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	EH				
0	11.38																
	11.23					ASPHALT ROAD BASE											
	10.98					SILTY CLAY (Alluvium) Brown, minor iron staining in parts, medium plasticity, moist, soft - very stiff.											
1							CI										2,2,2 N=4 SPT
																	Su (pp) = 200kPa U48
2	9.38					Coarse grained sand band at base.											4,7,7 N=14 SPT
	9.15					SILTY CLAY (Residual) Grey, stiff.	CI										2,5,10 N=15 SPT
						CLAYEY SANDSTONE Grey to pale orange, fine to medium grained, low plasticity, moist, very low strength.											30/110 N>50 SPT
3						Exhibits engineering properties of very stiff - hard Sandy Clay.	XW										5,10,17 N=27 SPT
	7.62																12,30/110 N>50 SPT
4						Borehole terminated at 3.76m											
5																	
6																	
7																	
8																	
9																	
10																	

REMARKS No standing groundwater encountered at time of drilling.

LOGGED BY
J. Kleindienst