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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   AH42  

SHEET   1   of   1  

REFERENCE No   H9709  

PROJECT   IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION  

LOCATION   Ipswich Motorway, About Chainage 12375m, 17m right of control MC20   COORDINATES   29086.1 E; 146998.7 N  

PROJECT No   FG5404   SURFACE R.L.   14.70   DATE STARTED   08/08/05   DATUM   Ipswich Motorway  

JOB No   148/17A/57   DATUM   AHD   DATE COMPLETED   08/08/05   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	VH	I	M	N	J					V
0	14.70					<b>SANDY SILT - Topsoil</b> Fine, pale brown.												
14.20						<b>SILTY CLAY - Alluvium</b> Grey to pale yellow brown, trace iron staining, low plasticity, moist, firm to stiff.											5,4,3 N=7	SPT
							CL										3,4,7 N=11	SPT
																	3,5,6 N=11	SPT
12.35						<b>CLAYEY SANDSTONE</b> Grey with red - orange concretions, slightly moist, very low strength. Exhibits engineering properties of hard, low plasticity Sandy Clay.											3,5,6 N=11	SPT
							XW										4,16,17 N=33	SPT
																	8,16,30/150 N>50	SPT
																	8,15,26 N=41	SPT
10.75						Borehole terminated at 3.95m												
4																		
5																		
6																		
7																		
8																		
9																		
10																		

REMARKS   No standing groundwater encountered at time of drilling.  

LOGGED BY  
**J. Kleindienst**