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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 AH16

SHEET 1 of 1

REFERENCE No H9683

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Near Wilruna Street, About Chainage 365m, 87m left of control MCK1-C. COORDINATES 29456.6 E; 147247.6 N

PROJECT No FG5404 SURFACE R.L. 12.07 DATE STARTED 30/05/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 30/05/05 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	VH	H	M	J	VL	EL	20	60				200	600	2000
0	12.07																						
1		10.77				CLAYEY SILT and GRAVEL (Fill) Pale grey, moist, medium dense. Contains gravel up to 30mm size.													From drillers logs only. 5,14,13 N=27				
2		10.57				CLAYEY SILT (Alluvium) Dark brown, moist, medium dense. Varies to Silty Clay with organic roots in parts.	ML-CL												7,9,9 N=18	SPT			
						SILTY CLAY (Alluvium) Dark brown, minor orange iron staining, moist, medium dense.	CI												7,6,5 N=11	SPT			
		10.07				SILTY CLAY (Residual) Dark grey with orange-red iron staining, moist. Very stiff.	CI												5,7,11 N=18	SPT			
		9.57																					
3		8.62				SHALE Dark grey with orange-red iron staining throughout, moist. Exhibits engineering properties of very sitff - hard Silty Clay. Relict fissile rock structure visible.	XW												6,10,14 N=24	SPT			
							XW-HW												6,12,18 N=30	SPT			
4						Borehole terminated at 3.45m																	
5																							
6																							
7																							
8																							
9																							
10																							

REMARKS No standing groundwater encountered at time of drilling.

LOGGED BY
JML

ENGINEERING BOREHOLE FG5404 - AUGER 6 9 05.GPJ QLD MAIN ROADS GDT 16/11/05