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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 AH29

SHEET 1 of 1

REFERENCE No H9698

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Logan Motorway, About Chainage 1126m, 5m right of control MCB1-C. COORDINATES 30396.5 E; 147283.9 N

PROJECT No FG5404 SURFACE R.L. 21.86 DATE STARTED 09/06/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 09/06/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	21.86										
					SILTY GRAVEL (Topsoil / Fill)					From drillers logs only.	
	21.36				Grey.						
					CLAYEY SAND and GRAVEL (Fill?)						
					Grey, fine - coarse sand, moist, loose. Contains gravel up to 15mm size.						6,3,3 N=6 SPT
1	20.86				SANDY CLAY (Alluvium)	CI					2,2,4 N=6 MC=19.4% SPT
	20.41				Pale grey-brown, fine grained, moist, soft - firm.						
					SANDY CLAY and GRAVEL (Alluvium)	GC					2,2,5 N=7 MC=16.6% SPT
					Pale grey-brown, moist, soft-firm. Contains gravel up to 20mm size.						
2	19.86				SHALE					Exhibits properties of Silty Clay.	3,3,5 N=8 MC=17.4% SPT
					Pale grey with yellow brown iron staining, moist, firm-stiff. Medium - high plasticity.						
	19.36				SANDSTONE						2,6,21 N=27 MC=18.4% SPT
					Pale grey, minor orange iron staining in parts, fine grained, moist, medium dense - dense. Exhibits properties of a Clayey Sand.	XW					8,24,17 N=41 MC=12.4% SPT
					Trace gravel 5-10mm size and organic root.						11,15,17 N=32 MC=14.2% SPT
3											
	17.91										
4					Borehole terminated at 3.95m						
5											
6											
7											
8											
9											
10											

REMARKS No standing groundwater encountered at time of drilling.

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