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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 AH4

SHEET 1 of 1

REFERENCE No H9670

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Near Logan Motorway off ramp. About Chainage 93m, 17m left of control MCE9. COORDINATES 30060.8 E; 147295.1 N

PROJECT No FG5404 SURFACE R.L. 20.52 DATE STARTED 26/05/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 26/05/05 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	I	M	J	V					EL
0	20.52																	
	20.37					SILT (Topsoil) Grey.												
						CLAYEY SILT (Alluvium) Pale brown-grey, minor orange brown mottling, dry, medium dense. Slightly cemented in parts. Trace calcium nodules and organics up to 5mm size.	ML									From drillers logs only.	4,9,10 N=19	SPT
1	19.52					SILT (Alluvium) Pale grey-brown, minor iron staining and slight cementation in parts, dry. Dense.	ML										7,11,22 N=33	SPT
	19.02					SANDSTONE Pale grey, slightly moist, fine grained, minor iron staining in parts. Exhibits engineering properties of medium dense - very dense Clayey Sand.											10,21,26 N=47	SPT
2						Fine - coarse grained, slightly cemented in parts.	XW									About 20% fines.	11,9,17 N=26	SPT
3						Pale grey, fine grained, orange-brown and minor mottling in parts. Slight iron cementation in parts.										About 30% fines.	10,9,12 N=21	SPT
4	16.57					Borehole terminated at 3.95m											8,13,21 N=34	SPT
5																		
6																		
7																		
8																		
9																		
10																		

REMARKS No standing groundwater encountered at time of drilling.

LOGGED BY
JML