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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 AH15

SHEET 1 of 1

REFERENCE No H9682

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Near Wilruna Street. About Chainage 416m. 17 left of control MCK1-C. COORDINATES 29415.4 E; 147305.3 N

PROJECT No FG5404 SURFACE R.L. 10.52 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	IN	J	VL	EL			
0	10.52															
	10.02					GRAVELLY SILT (Fill) Grey.									From drillers logs only.	
						CLAYEY SAND and GRAVEL (Fill) Pale grey, minor red iron staining, moist, medium dense. Sand is fine grained with gravel up to 30mm size.										2,4,7 N=11 SPT
1	9.52					CLAYEY SAND (Fill) Pale grey, red-orange iron staining, moist, loose.										4,2,5 N=7 SPT
	9.12					CLAYEY SILT (Alluvium) Dark brown, minor iron staining, moist, medium dense. Varies to Silty Clay in parts. Trace gravel up to 10mm size.	ML-CL								Increasing clay content with depth.	3,4,6 N=10 SPT
2	8.52					SILTY CLAY (Alluvium) Dark brown becoming pale brown-grey with depth, minor iron staining / mottling, moist, firm - stiff. Low plasticity.	CL								Varies to Clayey Silt in parts.	1,3,4 N=7 SPT
						Trace fine sand in parts.										4,6,7 N=13 SPT
3	7.52					SANDY CLAY (Residual) Grey mottled red-brown iron staining throughout, fine grained, moist, stiff. Trace gravel up to 15mm size.										5,5,7 N=12 SPT
						Medium plasticity.										4,4,5 N=9 SPT
4						Trace gravel and charcoal up to 5mm size.	CL-CI									3,5,6 N=11 SPT
5																3,6,7 N=13 SPT
																4,6,8 N=14 SPT
6	4.57					Pale grey-brown, yellow-orange iron staining, moist, very stiff. Low plasticity.									Trace charcoal fragments and gravel up to 10mm size .	5,7,10 N=17 SPT
6						Borehole terminated at 5.95m										
7																
8																
9																
10																

REMARKS No standing groundwater encountered at time of drilling.

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JML