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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 AH12

SHEET 1 of 1

REFERENCE No H9679

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Near Retaining Wall 15. About Chainage 12925m, 40m right of control MC20 COORDINATES 28537.9 E; 146977.4 N

PROJECT No FG5404 SURFACE R.L. 9.46 DATE STARTED 31/05/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 31/05/05 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	IS	MS	VL				
0	9.46															
	9.36					SILT (Topsoil) Grey.									From drillers logs only.	
	8.96					SILTY GRAVEL Grey.										
						SILTY CLAY (Alluvium)										3,7,8 N=15 SPT
1						Dark brown, trace iron staining, moist, medium plasticity, stiff - very stiff. Minor roots throughout.	CI									3,4,4 N=8 SPT
						Pale brown - grey, trace charcoal and calcium nodules.										3,3,5 N=8 SPT
2						Minor orange iron staining and occasional dark oxide stains.										3,6,8 N=14 SPT
	6.96															5,8,12 N=20 SPT
3						SILTY CLAY / CLAYEY SILT (Alluvium)										4,8,11 N=19 SPT
						Pale brown - grey, minor orange iron staining throughout, fine grained, moist. Low plasticity, very stiff / medium dense.	CL- ML									4,6,9 N=15 SPT
4						Brown-black oxide stains in parts.										4,7,10 N=17 SPT
						Becoming slightly more silty.										6,8,10 N=18 SPT
5	4.46														Contains about 20% fines. Varies to Sandy Clay in parts.	5,6,10 N=16 SPT
	3.96					CLAYEY SAND (Alluvium) Pale brown-grey, minor orange iron staining throughout, fine grained, moist, medium dense.	SC									4,6,9 N=15 SPT
6	3.46					SANDY CLAY (Alluvium) As above. Varies to fine grained Clayey Sand in parts.	CL									6,10,17 N=27 SPT
	3.01					SILTY CLAY (Alluvium) Pale brown-grey, moist, very stiff.	CI									
						Borehole terminated at 6.45m										
7																
8																
9																
10																

REMARKS No standing groundwater encountered at time of drilling.

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JML