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Main Roads

ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

BOREHOLE No BH30

SHEET 1 of 2

REFERENCE No H9734

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Wooraroo Creek, Abutment A, Approximate Chainage 12540m, 30m right of Control MC20. COORDINATES 28923.6 E; 146991.4 N

PROJECT No FG5404 SURFACE R.L. 6.90 DATE STARTED 19/08/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 19/08/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	ALUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VH	IM	J	VL	EL				
0	6.90					ASPHALT & ROADBASE											
6.55						SILTY CLAY (Alluvium) Grey with organics - driller's log.											
5.90						SILTY CLAY (Alluvium) Brown, moist, firm, low to medium plasticity.	CL									2,3,4 N=7	SPT
4.90						SLIGHTLY CLAYEY SAND (Alluvium) Yellow brown, moist, loose to medium dense.										2,4,4 N=8	SPT
							SC									5,6,9 N=15	SPT
																2,6,2 N=8	SPT
-0.10						SANDY CLAY (Alluvium) Dark grey, moist, very soft, high plasticity, probably due to high organic content. Possibly old swampy ground.	CH									RW,1,RW N<1	SPT
-1.60						SAND (Alluvium) Grey, moist, medium to coarse grainsize, medium dense. Fairly 'clean' sand, with very little clay or fines.	SW									Sewerage odour.	U48

REMARKS See Additional Descriptive Coding sheet for abbreviations.

LOGGED BY
J. Kleindienst



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ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

BOREHOLE No BH30

SHEET 2 of 2

REFERENCE No H9734

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Woogaroo Creek, Abutment A, Approximate Chainage 12540m, 30m right of Control MC20. COORDINATES 28923.6 E; 146991.4 N

PROJECT No FG5404 SURFACE R.L. 6.90 DATE STARTED 19/08/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 19/08/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	ALGER CASING WASH BORING CORE DRILLING	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				
10	-3.10					Sand Cont'd. As above.									6,7,8 N=15	SPT	
11							SW										
12															5,6,9 N=15	SPT	
	-5.60					SANDSTONE	XW-HW										
13	-6.10			(80)		Grey - orange. Drillers logs only.	HW							Clay seam 20mm thick Jt, subhorizontal	3/0mm HB N>50	SPT	
14						Grey to pale yellow, medium grained, few defects, massive, medium to high strength.	MW-SW							Jt, subhorizontal, clayey Jt, subhorizontal 1cm soft clay infill	Is(50)=1.20 MPa Is(50)=1.40 MPa	x o	
	-7.60					Grey, fine grained, massive.								Coarse grained			
	-7.87					SANDSTONE and SILTSTONE Interbeds Bands 1-2cm coarse sandstone, fine grained siltstone.	SW							Jt, 70°.			
15						SANDSTONE Grey, fine grained, massive. As before.	SW							Jt, subhorizontal	Is(50)=0.80 MPa Is(50)=1.10 MPa	x o	
16	-9.10			100		Borehole terminated at 16m								Jt, subhorizontal Carbonaceous inclusions Jt, subhorizontal			
17																	
18																	
19																	
20																	

REMARKS See Additional Descriptive Coding sheet for abbreviations.

LOGGED BY
J. Kleindienst

Project: **Ipswich Motorway / Logan Motorway Interchange**
Borehole No: **BH30**
Start Depth: 13.00m
Finish Depth: 16.00m
Project No: FG5404
H No: 9734

