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Main Roads

ENGINEERING BOREHOLE

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

BOREHOLE No BH20

SHEET 1 of 2

REFERENCE No H9754

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Near Pier 6, Chainage 708m, on control MCJ1-C. COORDINATES 29834.4 E; 147295.7 N

PROJECT No FG5404 SURFACE R.L. 26.50 DATE STARTED 10/10/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 10/10/05 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	EH	EH	EH	EH	EH				
0	26.50					ASPHALT / ROADBASE Driller's log											
	26.10					SILTY CLAY (Alluvium) Brown with minor pale iron staining, moist, firm, low plasticity, some minor organic content.	CL								3,3.5 N=8	SPT	
	25.00					SILTY CLAY (Residual) Drillers log indicated very hard material.	CL										
	24.00					SANDSTONE Grey to orange, moist. Exhibits properties of a very dense Clayey Sand.									30/80mm N>50	SPT	
															30/120mm N>50	SPT	
															15,9,15 N=24	SPT	
							XW								12,13,28 N=41	SPT	
	18.00					SILTSTONE Grey with minor iron staining, very fine grained. Exhibits properties of a hard Silty Clay.									6,14,20 N=34	SPT	
	16.50																

REMARKS No groundwater reported during drilling. 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 BH20

SHEET 2 of 2

REFERENCE No H9754

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Near Pier 6, Chainage 708m, on control MCJ1-C. COORDINATES 29834.4 E; 147295.7 N

PROJECT No FG5404 SURFACE R.L. 26.50 DATE STARTED 10/10/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 10/10/05 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
10	16.50					SHALE Grey brown, very fine grained, fissile low strength.					27,30/120mm N>50	SPT
11	15.00					CARBONACEOUS SHALE Dark grey, very fine grained, fissile, low strength.	XW				30/120mm N>50	SPT
13	13.50		(96)			SANDSTONE Grey, fine to medium grained, some coaly inclusions, bedding ~10°, massive in parts, occasional fine carbonaceous laminations.					5/0mm HB N>50 Is(50)=0.48 MPa Is(50)=1.97 MPa	SPT x o
14										Coal band.		
15										Bedding plane parting 10°. Is(50)=1.04 MPa Is(50)=1.63 MPa	x o	
16	10.82		100 (80)			SILTSTONE Grey, very fine grained, sub horizontal laminations, slightly carbonaceous, with occasional fine Sandstone bands.	SW			Bedding plane parting 10°. Is(50)=0.82 MPa Is(50)=1.27 MPa	x o	
17	9.64					SANDSTONE Light grey, coarse grained, massive.				Sandstone band. Sandstone band. Is(50)=0.76 MPa Is(50)=1.09 MPa Is(50)=0.68 MPa Is(50)=3.86 MPa Is(50)=3.14 MPa Is(50)=1.02 MPa Is(50)=2.65 MPa	x o x o x o	
17.26	9.24		100			Borehole terminated at 17.26m						
18												
19												
20												

REMARKS No groundwater reported during drilling. See Additional Descriptive Coding sheet for abbreviations.

LOGGED BY
J. Kleindienst

Project: **Ipswich Motorway / Logan Motorway Interchange**
 Borehole No: **BH20**
 Start Depth: 13.00m
 Finish Depth: 17.26m
 Project No: FG5404
 H No: 9755

