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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 BH33

SHEET 1 of 2

REFERENCE No H9737

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Woogaroo Creek, Abutment B, Approximate Chainage 12618m, 25m right of Control MC20. COORDINATES 28845.9 E; 146981.1 N

PROJECT No FG5404 SURFACE R.L. 7.40 DATE STARTED 25/08/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 25/08/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	AUGER 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
0	7.40											
1	7.20					SILTY GRAVEL (Topsoil) SILTY CLAY (Alluvium) Very dark grey, moist, stiff, low to medium plasticity, contains some minor organic matter.	CL				2.4,5 N=9	SPT
2												
3	4.90					SILTY CLAY (Alluvium) Grey brown with a little iron staining, moist, stiff, low to medium plasticity.	CL				2.4,5 N=9	SPT
4												
5												
6	2.20					SANDSTONE Greyish yellow, slightly moist. Exhibits engineering properties of a very dense Clayey Sand.	XW-HW				30/120mm N>50	SPT
7	0.80		(76)			Grey, with minor pale yellow iron staining, fine grained, becoming medium to coarse grained below 8.45m, bedding subhorizontal to 20°. Defects mainly drilling induced bedding plane partings. Several 'healed' planar joints. Generally medium strength, with some minor very low strength HW mudstone bands	MW			Jt 70° healed. Jt 60° healed. HW mudstone. HW mudstone. Jt, minor Fest, tight. HW mudstone.	Is(50)=0.02 MPa Is(50)=0.48 MPa Is(50)=0.87 MPa Is(50)=0.78 MPa Is(50)=0.23 MPa Is(50)=0.28 MPa	x o x o x o
8												
9												
10			100 (76)									

REMARKS See Additional Descriptive Coding sheet for abbreviations.

LOGGED BY
J. Kleindienst



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

REFERENCE No **H9737**

JOB No	148/17A/57	DATUM	AHD	DATE COMPLETED	25/08/05	DRILLER	Drillsure
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ENGINEERING BOREHOLE FG5404 - BOREHOLES.GPJ QLD MAIN ROADS.GDT 16/11/05

LOGGED BY
J. Kleindienst

Project: **Ipswich Motorway / Logan Motorway Interchange**
Borehole No: **BH33**
Start Depth: 6.60m
Finish Depth: 12.60m
Project No: FG5404
H No: 9737

