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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 **BH8**

SHEET **1** of **2**

REFERENCE No **H9655**

PROJECT **IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION**

LOCATION **Abutment A, Chainage 556m on control MCB1-C.** COORDINATES **29873.9 E; 147413.4 N**

PROJECT No **FG5404** SURFACE R.L. **22.60** DATE STARTED **28/07/05** DATUM **Ipswich Motorway**

JOB No **148/17A/57** DATUM **AHD** DATE COMPLETED **28/07/05** 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
0	22.60					<b>CLAYEY SAND AND GRAVEL (Fill)</b>  Pale brown and grey, minor iron staining, moist, fine to medium grained, gravel up to 10mm in size.						
1											6.5,5 N=10	SPT
2	20.60					<b>CLAYEY SAND (Alluvium)</b>  Pale grey, orange iron staining, moist, fine to medium grained. High proportion of fines, varies to Sandy Clay in parts. Medium dense.	SC				5.5,6 N=11	SPT
3												
4	19.10					<b>CLAYEY SAND (Alluvium)</b>  Pale brown grey, fine to medium grained, moist, minor orange brown iron staining in parts. Minor clay only, low plasticity.  Trace of organics, and fine gravel to 5mm size. Dense.	SC				11,20,21 N=41	SPT
5												
6	17.10					<b>CLAYEY SAND and GRAVEL (Old Alluvium)</b>  Mottled grey - red. Fine to coarse sand, gravel to 6mm size.	SC-SM				5.8,5 N=13	SPT
7												
8	16.10					<b>SANDSTONE</b>  Pale grey, fine to medium grained, moist, minor orange brown iron staining. Relict rock structure visible in parts.  Exhibits engineering properties of very stiff Sandy Clay / Clayey Sand.	XW				17,16,18 N=34	SPT
9												
10	14.60					Pale grey brown, fine grained, moist, orange brown iron staining throughout, relict structure visible. Siltstone interbeds in parts.  Engineering properties of very dense Clayey Sand.	HW				14,23,30 N=53	SPT
											20/25mm HB N>50	SPT

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

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**JML**



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

REFERENCE No **H9655**

JOB No	148/17A/57	DATUM	AHD	DATE COMPLETED	28/07/05	DRILLER	Drillsure
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ENGINEERING BOREHOLE FG5404 - BOREHOLES.GPJ QLD MAIN ROADS.GDT 17/11/05

LOGGED BY  
JML

Project: **Ipswich Motorway / Logan Motorway Interchange**  
 Borehole No: **BH8**  
 Start Depth: 10.05m  
 Finish Depth: 15.70m  
 Project No: FG5404  
 H No: 9655

