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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 BH7

SHEET 1 of 1

REFERENCE No H9630

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Abutment B, Approximate Chainage 246m, about 2m left of control MCK1-C. COORDINATES 29565.3 E; 147315.8 N

PROJECT No FG5404 SURFACE R.L. 21.60 DATE STARTED 11/07/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 11/07/05 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	HM	JL	VL	EL				
0	21.60					SANDSTONE											
1	20.60					Pale grey, red iron staining throughout, fine grained, moist. Exhibits engineering properties of very dense Sandy Clay.	XW										
2						Pale grey, minor iron staining, fine grained. Exhibits engineering properties of very dense Clayey Sand. Relict structure visible in parts.	XW-HW									13,30/130mm N>50	SPT
3	18.90		(96)			Pale grey-pink, fine - medium grained.	HW									30/30mm N>50	SPT
4			100 (100)			Pale grey with yellow-brown banded iron staining. Medium-coarse grained. Minor thin carbonaceous inter laminations in parts. Bedding ~10°, occasional variations to 20°. Defects mostly parallel bedding. Defect surfaces are mostly PL, SM, T or C, CN. Some drilling induced BPP's throughout.	MW							Jt,0°,PL,C,CN.	Is(50)=0.17 MPa Is(50)=0.54 MPa	x o	
5	16.55		100 (100)			As above. Pale grey, trace iron staining.								Jt,10°,PL,SM, thin CL film.	Is(50)=0.11 MPa Is(50)=0.26 MPa	x o	
6			100 (100)				SW							Jt,10°,PL,SM,C,CN.	Is(50)=0.10 MPa Is(50)=0.30 MPa	x o	
7	14.30		100											Jt,10°,PL,SM,C, thin grey CL coat 0.5mm thick. Jt,10°,PL,SM,C, thin grey CL coat 0.5mm thick.	Is(50)=0.08 MPa Is(50)=0.34 MPa Is(50)=0.12 MPa	o o x	
8						Borehole terminated at 7.3m											
9																	
10																	

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

LOGGED BY
JML

Project: **Ipswich Motorway / Logan Motorway Interchange**

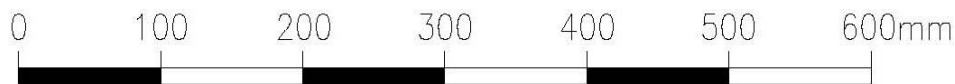
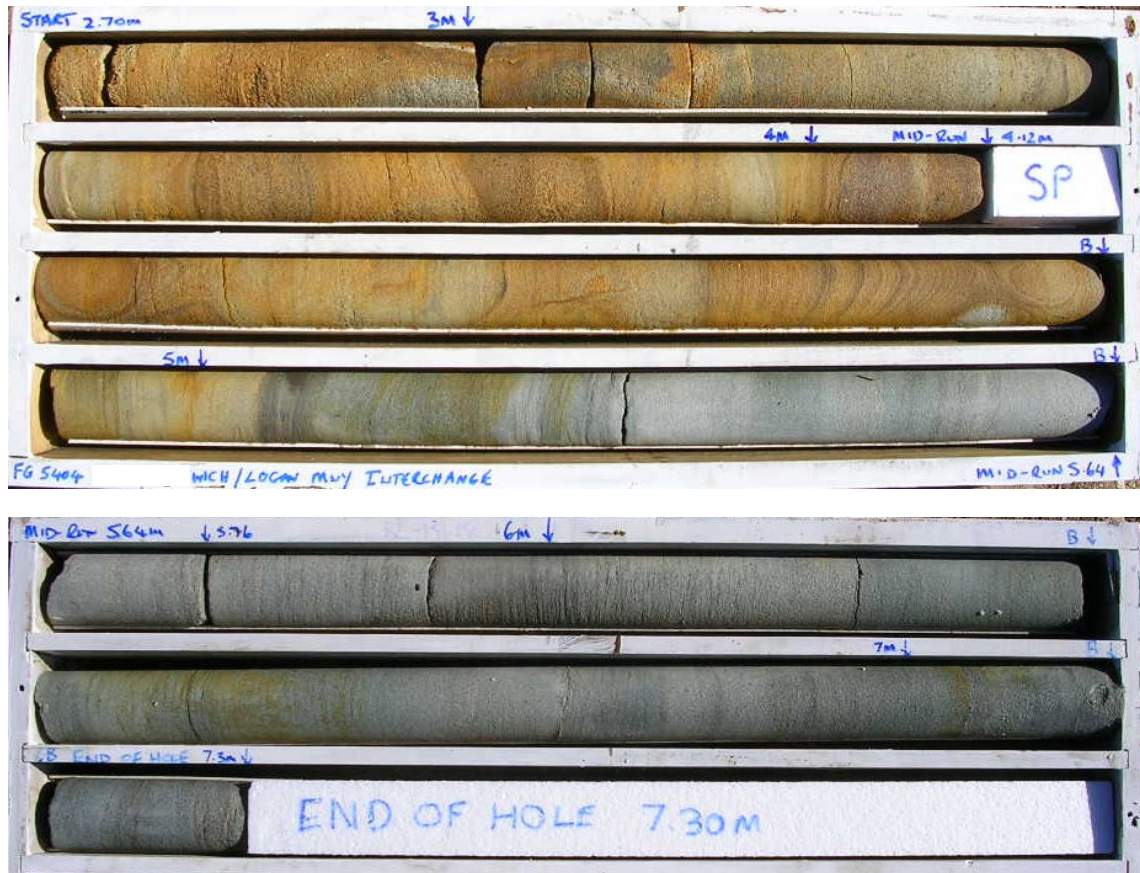
Borehole No: **BH7**

Start Depth: **2.70m**

Finish Depth: **7.30m**

Project No: **FG5404**

H No: **9630**



SCALE 1:5