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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 AH22

SHEET 1 of 1

REFERENCE No H9689

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Near Retaining Wall 13. About Chainage 12725m, 24m left of control MC20. COORDINATES 28741.3 E; 146924.6 N

PROJECT No FG5404 SURFACE R.L. 12.35 DATE STARTED 07/06/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 07/06/02 DRILLER Drillsure

| DEPTH (m) | R.L. (m) | AUGER | RQD () % | CORE REC % | SAMPLE | MATERIAL DESCRIPTION | USC WEATHERING | INTACT STRENGTH | DEFECT SPACING (mm) | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS |
|-----------|----------|-------|-----------|------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|---------------------|-------------|-------------------------------------------------------|---------------|
| | | | | | | | | | | | | |
| 0 | 12.35 | | | | | | | | | | | |
| | 12.10 | | | | | SILT (Topsoil) Grey. | | | | | From drillers logs only. | |
| | | | | | | SHALE Pale grey, minor red iron staining throughout, slightly moist. Relict sub-horizontal structure visible in parts. Engineering properties of hard Silty Clay and Gravel. Trace fine Sand in parts. | XW-HW | | | | 7,17,18 N=35 | SPT |
| 1 | 11.35 | | | | | Pale grey with minor orange-red iron staining, hard. Contains thin fine grained Sandstone bands throughout. | HW | | | | 11,23,30/120mm N>50 | SPT |
| | 10.59 | | | | | | | | | | Pale grey, trace silt throughout. 19,30/110mm N>50 | SPT |
| 2 | | | | | | Borehole terminated at 1.76m | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |

REMARKS No standing groundwater encountered at time of drilling.

LOGGED BY
JML

ENGINEERING BOREHOLE FG5404 - AUGER 6 9 05.GPJ QLD MAIN ROADS GDT 16/11/05