# TEST PIT LOG

Queensland Government

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

FEATURE No TP43
SHEET 1 of 1
DATE EXCAVATED 06/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Embankment 10 COORDINATES 471050.2 E; 7095935.9 N
PROJECT No FG5799 SURFACE R.L. 61.50 DATUM AHD SYSTEM MGA94 Zone 56
JOB No 232/10A/2 EQUIPMENT TYPE AND MODEL JCB Backhoe BUCKET SIZE 450mm

| DEPTH (m) | R.L. (m) | METHOD | USC | WEATHERING | SOIL DESCRIPTION / ROCK DESCRIPTION | VDCP LOG (Cone Resistance) VDCP43 (MPa) 0 4 8 12 16>20 | ADDITIONAL DATA AND TEST RESULTS | SAMPLE NUMBER | TEST REPORT |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 61.50 | BUCKET | | | SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components<br>ROCK DESCRIPTION<br>ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions | | | | |
| | 61.30 | | | | **TOPSOIL** | | MC = 23.5% | 11G0631 | 24798 |
| | | | SC | | **Clayey SAND (Residual)**<br>Light brown, moist, medium dense to dense.<br>Occasional fine gravel | | FSV= 128/26 kPa<br>LL = 35; PI = 14;<br>LS = 7.8; MC = 19.7%;<br>WPI=783, WLS=421 | 11G0632 | 24933 |
| | 60.90 | | | | | | | | |
| 1 | | | CI | | **Sandy CLAY (Residual)**<br>Brown to red, moist, stiff to very stiff.<br><br>Intermediate plasticity, occasional gravel. | | LL = 43; PI = 22;<br>LS = 12.6; MC = 20.7%;<br>WPI=1328, WLS=769 | 11G0633 | 25133 |
| | 60.00 | | | | | | | | |
| | | | HW | | **SILTSTONE HW:**<br>When excavated exhibits the properties of grey to brown, moist, very dense, silty gravel.<br>Gravel is low strength. | | MC = 16.1% | 11G0634 | 24798 |
| 2 | 59.50 | | | | Excavation terminated at 2m | | | | |
| 3 | | | | | | | | | |
| 4 | 57.50 | | | | | | | | |

Site before excavation

Test pit profile

Excavated material from 0.2-0.6


REMARKS MC-Moisture Content, LL-Liquid Limit, PI-Plastic Index, LS-Linear Shrinkage, WPI=PI x % pass 0.425mm sieve, WLS=LS x % pass 0.425mm sieve, FSV-Field Shear Vane, $PP_{UC}$-Pocket Penetrometer, EC-Emerson Class Number

LOGGED BY JD/JA

OLD_DMR_LIB_01A.GLB Log A_TEST PIT LOG FG5700 - BRUCE HIGHWAY SECTION C TEST PIT LOG8.GPJ DWS8.02 GDW Digital CPT Tool gINI Add-In 29/11/2011 08:02