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**Queensland
Government**

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C11

SHEET 1 of 1

REFERENCE No H11105

PROJECT Bruce Highway Upgrade (Cooray to Curra) Section C

LOCATION Cut 4

COORDINATES 472887.4 E; 7089840.1 N

PROJECT No FG5799

SURFACE R.L. 99.00m

PLUNGE ---

DATE STARTED 06/08/11

GRID DATUM MGA94

JOB No 232/10A/2

HEIGHT DATUM AHD

BEARING ---

DATE COMPLETED 06/08/11

DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	99.00														
0.80	98.80					TOPSOIL: Grey.									
1.20	98.40					Clayey SILT (Residual): Pale grey.	(ML)						Based on driller's logs only		
1.50					A	SILTSTONE (XW): Generally exhibits a brown, dry, very stiff to hard, low plasticity, gravelly silt.	XW						11,11,10 N=21		SPT
2.50					B								30,30/100 N>50		SPT
3.00	96.00		(20)			SILTSTONE (HW): Brown, fine grained, massive, varies from extremely low to low strength.	HW						HFZ BZ CLy BZ		
3.50			(0)			Defects: -Clayey broken zones throughout up to 810mm.							CLy BZ		
4.00			(0)			Defect spacing is extremely close to close. Defect surfaces are thickly clay infilled.							CLy BZ		
5.00			84 (0)										XW CLy BZ		
6.00	92.90		(33)			SILTSTONE (MW): Brown, fine grained, massive, generally low to medium strength, indurated and/or slightly metamorphosed.	MW						CLy BZ		
7.00			(45)			Defects: -Joint at 35° (4-5/m) -Joint at 60°-70° (4-5/m)							CLy BZ		
8.00			(0)			Defects are generally closely spaced. Defect surfaces are planar or irregular, tight or open, slight or rough, clay infilled, iron stained.							BZ CLy FZ BZ		
9.00	89.63		(0)										CLy BZ (~50°)		
9.37						Borehole terminated at 9.37m									

REMARKS *Point load failed along existing defect

LOGGED BY
JA/DC

CORE PHOTO LOG - BH C11

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 4	Start Depth (m):	3.00
Reference No.:	H11105	Finish Depth (m):	9.37



SCALE 1:5