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ENGINEERING BORELOG

[FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/0-1998]

BOREHOLE No :	BH05
SHEET :	1 OF 3
REFERENCE No :	H8905

PROJECT : GATTON BYPASS DUPLICATION - LOCKYER CREEK BRIDGE - ABUTMENT A
 LOCATION : EASTING 431956.89, NORTHING 6952715.66
 PROJECT No : C60232 SURFACE R.L. : 97.34 DRILLER : DALY BROTHERS PTY LTD
 JOB NO : 114/18A/54 DATUM : AHD DATE DRILLED : 01/06/01

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							CU	UH	UM	UL	VT				
0	97.34														
1					SANDY SILTY CLAY ALLUVIUM Dark grey to dark brown, slightly moist to mainly dry, stiff to very stiff.	OL								6, 7, 6 N=13	SPT
2	95.34				SANDY CLAYEY SILT ALLUVIUM Dark brown, moist, very stiff to hard. Fine sandy fraction.										U50
3															
4														10, 14, 18 N=32	SPT
5															
6						SM								6, 7, 8 N=15	SPT
7														5, 8, 10 N=18	SPT
8															
9														5, 9, 10 N=19	SPT
10	87.34				SANDY ALLUVIUM (See next page).	SP									



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PROJECT : GATTON BYPASS DUPLICATION - LOCKYER CREEK BRIDGE - ABUTMENT A
 LOCATION : EASTING 431956.89, NORTHING 6952715.66
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DEPTH (m)	R.L. (m)	ALGER CORE DRILLING CORE DRILLING CASING OTHER	RQD (%) CORE REC%	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	87.34			SANDY ALLUVIUM Dark grey brown, moist to wet, medium dense. Minor organic and silt fraction.	SP				6, 9, 9 N=18	SPT
11	86.19			SAND AND GRAVEL ALLUVIUM Dark grey brown, moist to wet, very dense. Coarse fraction is subangular to subrounded, sizes varying up to 25mm.	GP				9, 20, 17 N=37	SPT
12										
13	84.34			RESIDUAL SILTY CLAY Orange brown to mottled, moist, very stiff to hard. Minor fine sand fraction.	CL				6, 11, 21 N=32	SPT
14										
15	81.84									U50
16	81.39			SANDSTONE FINE TO MEDIUM GRAINED, MASSIVE TO SLIGHTLY LAMINATED, POORLY CEMENTED SEDIMENTARY ROCK. XW : Generally exhibits engineering properties of orange brown, grey to mottled, moist, very stiff sandy silty clay grading eventually to extremely to very low strength rock. Iron concretions in some places.	XW			13/08/01	8, 9, 11 N=20	SPT
17										
18									10, 11, 17 N=27	SPT
19										
20	77.34								8, 8, 10 N=18	SPT

REMARKS :

LOGGED BY

A. D. ISHMAEL



ENGINEERING BORELOG

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BOREHOLE No :	BH05
SHEET :	3 OF 3
REFERENCE No :	H8905

PROJECT : GATTON BYPASS DUPLICATION - LOCKYER CREEK BRIDGE - ABUTMENT A
 LOCATION : EASTING 431956.89, NORTHING 6952715.66
 PROJECT No : C60232 SURFACE R.L. : 97.34 DRILLER : DALY BROTHERS PTY LTD
 JOB No : 114/18A/54 DATUM : AHD DATE DRILLED : 01/06/01

DEPTH (m)	R.L. (m)	ALUGER CORE DRILLING CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							EH	UH	H	M	VL				
20	77.34				HW Orange brown to pale grey, moist, hard sandy silty clay comprising low strength rock particles. High plastic sandy silty clay.									27, 25, 30/120 N>50	SPT
21															
22						HW								30/100 N>50	SPT
23															
24	73.29		100		MW Pale grey, white, orange to pale brown, very low to low strength with occasional medium strength bands. Minor lamination towards bottom; occasional coarser clasts on rock core. Defects - Occasional drilling induced subhorizontal fractures.									20, 20, 30/90 N>50	SPT
25			(100) 100			MW								Is(50)=0.04MPa Is(50)=0.06MPa	x o
26			(100) 100											Is(50)=0.15MPa	x
27	70.39		(100) 100										chert clasts	Is(50)=0.33MPa	o
28					END OF HOLE										
29															
30															

