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MAIN ROADS DEPARTMENT ENGINEERING BORE LOG



Form 23ZL(c)
(P) /10/74

PROJECT NORTH SOUTH FREEWAY SECTION H BRISBANE RIVER CROSSING HOLE No. 46
REF. H 4473
LOCATION Coordinates = 35558.7N 44731.6E DATUM ADQ
GROUND
JOB No 140/EOO8D/U04.2 PROJECT No 2/71 DATE 7/3/78 SURFACE 2.70
TYPE OF DRILLING: Solid Augering ☐ 65 mm Hollow Augering ☒ Casing ☐ NMLC Coring ☐

STRATA DESCRIPTION		Depth	Field Sample & N Value	R.L.	Graphic Scale	ENGINEERING PROPERTIES	
Soil Type	Weathering					Parameters & Indices	MC(%) 20.0 40.0 60.0 80.0 100.0
SILTY CLAY	Brown, moist, very stiff.	0.00		2.70			0.50 1.00 1.50 2.00
		A					
		1.10		1.60			
CLAY	Grey, moist, very soft.	B	1				
		C				$C_u = 42 \text{ kPa}$ $\phi_u = 3^\circ$	
		D	2				
		E	3.1			$C = 1 \text{ kPa}$ $\phi = 11^\circ$ $C' = 6 \text{ kPa}$ $\phi' = 25^\circ$	
		F	<1				
		4.80	4.6	2.10			
CLAYEY SAND	Grey, wet, loose. Fine to medium grained sand fraction. Irregular grey, moist. Very soft clay bands to 100mm throughout.	G					
		H	6				
		J					
		K	1				
		L					
		M	7.1				

(continued)

REMARKS " sample attempted but no sample obtained
GEOLOGIST
ENGINEER
APPROVED
DATE

50mm TUBE 75mm TUBE S.P.T TEST WATER LEVEL

MAIN ROADS DEPARTMENT ENGINEERING SORE LOG



Form 22ZL(c)
(P) 7/10/74

PROJECT .. NORTH SOUTH FREEWAY SECTION H BRISBANE RIVER CROSSING HOLE No. 46 (cont.)
REF. M 4473
LOCATION DATUM ..
GROUND ..
JOB No PROJECT No DATE SURFACE ..
TYPE OF DRILLING: Solid Augering ☐ 65mm Hollow Augering ☒ Casing ☐ NMLC Coring ☐

STRATA DESCRIPTION		Depth m	Plate Sample & N Value	R.L. m	Graphic Scale	ENGINEERING PROPERTIES	
Soil Type Lithology	Weathering					Parameters & Indices	LC(%) 000, 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100
CLAYLY SAND (CONT.)		10.00	3	1.50		Gravel to 20mm.	
CLAYEY SILT Brown-yellow ironstained grey, moist to wet, medium dense.		11.10	12	1.40		Black carbonaceous fragments to 1mm. $C_u = 192 \text{ kPa}$ $C_c = 0$ $C = 78 \text{ kPa}$ $\phi = 11^\circ$ $C' = 54 \text{ kPa}$ $\phi' = 26^\circ$	
		12.10	18	1.36		$C_u = 36 \text{ kPa}$ $C_c = 19^\circ$	
		13.10	18	1.31		$C_u = 30 \text{ kPa}$ $C_c = 10^\circ$	
SILTY AND CLAYEY SAND Brown, moist to wet, medium dense. Fine grained sand fraction.		14.10	21	1.26		$C_u = 82 \text{ kPa}$ $C_c = 13^\circ$	
		15.10	19	1.21			
		16.10	19	1.16			

REMARKS (continued)
GEOLOGIST
ENGINEER
APPROVED
DATE

☒ 50mm TUBE ☐ 75mm TUBE ☐ S.P.T. TEST ☒ WATER LEVEL

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG



Form 23ZL(c)
(P) 1/10/74

PROJECT NORTH SOUTH FREEWAY SECTION H BRISBANE RIVER CROSSING HOLE No. 46 (cont.)
REF. H 4473
LOCATION DATUM
GROUND
JOB No. PROJECT No. DATE SURFACE
TYPE OF DRILLING: Solid Augering ☐ 65mm Hollow Augering ☒ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION		Depth	Fluid Sample & N Value	R.L.	Graphic	ENGINEERING PROPERTIES	
S&H Type	Weathering					Parameters & Indices	MC(%)x DD(t/m ³) 20, 40, 60, 80, 100 0.5, 1.0, 1.5, 2.0
Lithology		20.00		-17.50		Cu=92kPa φ=7°	
SAND AND GRAVEL		20.50		-17.50			
Brown, wet, medium dense.		21.00	22				
Medium grained sand in gravel to 20mm.		21.50	21.1				
		22.00	22				
		22.50	22				
		23.00	25				
		23.50	23.6				
		24.00	38				
		24.50	23.5				
		25.00	25				
		25.50	24.1				
		26.00	79				
		26.50	25				
		27.00	77				
		27.50	77				
		28.00	77				
		28.50	77				
		29.00	77				
		29.50	77				
		30.00	77				
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		99.00	77				
		99.50	77				
		100.00	77				

REMARKS: Trial Point Load Test
Sample attempted but no sample obtained.
Rock Quality Designation (RQD) shown in brackets above core recovery.
GEOLOGIST
ENGINEER
APPROVED
DATE

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG



Form 23ZL(d)
(P) /10/74

PROJECT ... NORTH SOUTH FREEWAY SECTION H BRISBANE RIVER CROSSING ... HOLE No. 46 (cont.)
... REF. H 4473
LOCATION ... DATUM ...
... GROUND
JOB No ... PROJECT No ... DATE ... SURFACE ...
TYPE OF DRILLING: Solid Augering ☐ 65 mm Hollow Augering ☐ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION		Depth	Core Rec. %	R.L.	STRUCTURE	ENGINEERING PROPERTIES	
Soil Type	Weathering			1:50		Intact Strength	Defect Spacing
Lithology		30.00		-27.30		EH VH H M L V C M F VE	EH VH H M L V C M F VE
SHALE (CONT.) Grey, fine grained fissile subhorizontally bedded sedimentary rock.	MODERATELY WEATHERED (CONT.) Rare subvertical defects.		(0) 94		Sandstone		
			(0) 100				
			(0) 100				
			(0) 100				
			(0) 100				
		34.40		-31.70			
END OF HOLE							

REMARKS: Rock Quality Designation (RQD) shown in brackets above core recovery.
Intact Strength by subjective assessment only.

GEOLOGIST ...
ENGINEER ...
APPROVED ...
DATE 7/1/78

☐ Decomposed
 ☐ Highly Weathered
 ☐ Moderately Weathered
 ☐ Slightly Weathered
 ☐ Core Loss