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MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG



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

PROJECT NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING HOLE No 41
REF. H 4469
LOCATION ... Coordinates ... 34894.5N ... 45206.5E DATUM AHD
GROUND
JOB No 140/DOO8D/NO 42 PROJECT No 2/71 DATE 21/3/78 SURFACE 2.60
TYPE OF DRILLING: Solid Augering ☐ 63.5mm Hollow Augering ☒ Casing ☐ NMLC Coring ☐

STRATA DESCRIPTION		Depth	Field Sample & N Value	R.L. 1:50 2.60	Graphic	ENGINEERING PROPERTIES		
Soil Type Lithology	Weathering					Parameters & Indices	MC(%) x	DD(t/m ³) x
CLAY Grey to black, wet to moist, very soft. Slightly sandy throughout. Sand very fine grained.		0.00						
		2.6	A <1					
		5.6	B <1			Shells to 5mm.		
			C <1					

(continued)

REMARKS
GEOLOGIST
ENGINEER
APPROVED
DATE
50mm TUBE 76mm TUBE S.P.T. TEST WATER LEVEL

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG



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

PROJECT NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING HOLE No. 41 (cont.)
REF. H. 4469
LOCATION DATUM
GROUND
JOB No. PROJECT No. DATE SURFACE
TYPE OF DRILLING: Solid Augering ☐ 63.5mm Hollow Augering ☒ Casing ☐ NMLC Coring ☐

STRATA DESCRIPTION		Depth	Field Sample & N Value	R.L.	Graphic Log	ENGINEERING PROPERTIES	
Soil Type Lithology	Weathering					Parameters & Indices	MC(%) 20.0 40.0 60.0 80.0 0.5 1.0 1.5 2.0
CLAY (CONT.)		10.00		12.60			
			D 14				
		13.80		16.40			
SILTY CLAY Brown, stiff, moist.			E 15				
			F 17				
						C = 89kPa q _u = 40	x o
			G 13				

REMARKS (continued) GEOLOGIST
ENGINEER
APPROVED
DATE
50mm TUBE 76mm TUBE S.P.T TEST WATER LEVEL

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG



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

PROJECT NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING HOLE No 41 (cont.)
REF M 4469
LOCATION DATUM
GROUND
JOB No PROJECT No DATE SURFACE
TYPE OF DRILLING: Solid Augering ☒ 65mm Hollow Augering ☐ Castor ☐ NMLC Coring ☐

STRATA DESCRIPTION		Field Sample No	R.L.	ENGINEERING PROPERTIES
Soil Type Lithology	Weathering	Depth m	1:50 Scale	Parameters & Indices MO(B) in OD (1/m ³) 20, 40, 60, 80, 100 1.5, 1.0, 1.2, 2.0
SILTY CLAY (CONT.)		20.00	-22.60	
		21.7		Cu=74kPa σ _u =10 ⁰
		22.7		
SAND AND GRAVEL Grey, wet, medium dense. Medium grained sand fraction. Gravel to 4mm.		23.76	-20.30	
		25.0		
		26		
		26.8		
		27		
COAL Black, brittle, sub- horizontally bedded sedimentary rock. MODERATELY WEATHERED Highly fractured during drilling, due to clastic spaced cleat		28.1	-21.00	
		28.5		
		29		
		30		
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REMARKS (continued)
Rock Quality Description (RQD) shown in brackets above
GEOLOGIST
ENGINEER
APPROVED
DATE

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG



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

PROJECT NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING HOLE No 41 (cont.)
REF. H 4469
LOCATION DATUM
GROUND
JOB No PROJECT No DATE SURFACE
TYPE OF DRILLING Solid Augering ☐ 63.5mm Hollow Augering ☐ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION		Depth	Core Rec. %	R.L.	STRUCTURE	ENGINEERING PROPERTIES	
Soil Type	Weathering					Intact Strength	Defect Spacing
Lithology				1:50			
COAL (CONT.)	MODERATELY WEATHERED (CONT.)	30.00		-32.60			
			(0) 51		Siltstone band.	Not Applicable	
					Siltstone band.	Not Applicable	
SHALE	HIGHLY WEATHERED	32.40	(0) 47	-35.00			
	Soft clayey bands to 100mm. Defects along bedding common.				Clayey shale band.		
					Carbonaceous band.		
SANDSTONE	MODERATELY WEATHERED	34.00	(0) 100	-36.60			
	Defects along bedding common and are related to laminations of shale and coal to 10mm which occur throughout. Rare high angle defects. Some subvertical defects show calcite veining to 5mm wide.				Clayey shale band.		
			(0) 72				
					Carbonaceous band.		
			(0) 100		Crushed zone.		
			(22) 72		Crushed zone.		
			(0) 100		Shale band.		
					Crushed zone with fragments of shale in a clay matrix. High angled defect with calcite veining.		

(continued) REMARKS: x Axial Point Load Test
Rock Quality Designation (RQD) shown in brackets above.
Rock Recovery. * Rock Test Result - Refer Table 1
GEOLOGIST
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Decomposed Highly Weathered Moderately Weathered Slightly Weathered Core Loss

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG



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PROJECT NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING HOLE No 41 (cont.)
REF. H 4469
LOCATION DATUM
GROUND
JOB No PROJECT No DATE SURFACE
TYPE OF DRILLING. Solid Augering ☐ 63.5mm Hollow Augering ☐ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION		Depth	Core Rec. %	R. L.	STRUCTURE	ENGINEERING PROPERTIES	
Soil Type	Weathering					Intact Strength	Defect Spacing
Lithology							
SANDSTONE (CONT.)	MODERATELY WEATHERED (CONT.)	40.00		41.60			
			(0) 36				
			(14) 100				
		42.90	(0) 100	45.50	shale band.		
END OF HOLE							

REMARKS Rock Quality Designation (RQD) shown in brackets above
CORE RECOVERY
x Axial Point Load Test
GEOLOGIST
ENGINEER
APPROVED
DATE 7/8/78

