MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG

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

PROJECT ... NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING ... HOLE No ... 39

... REF. H ... 4468

LOCATION ... Coordinates - 34904.9N 45186.4E ... DATUM ... AHD

... GROUND

JOB No 140/E008D/004.2 PROJECT No 2/71 DATE 14/3/78 SURFACE -4.21

TYPE OF DRILLING: Solid Augering ☐ 65mm Hollow Augering ☒ Casing ☐ NMLC Coring ☐

STRATA DESCRIPTION	Depth	Field Sample & N Value	R.L. 1:50	Graphic Log	ENGINEERING PROPERTIES
Soil Type / Lithology / Weathering					Parameters & Indices
	0.00		-4.21		MC(%)x DD(t/m³)o 20 0 40 0 60 0 80 0 0.5 1.0 1.5 2.0
CLAY Grey to black, wet, very soft. Slightly sandy throughout.	A	2.6			
	B	<1			
	C	3.3			
	D	<1			
	E				Minor gravel to 5mm.
	F	5.3			
CLAYEY SAND Dark grey, loose, wet. Fine to medium grained sand.	5.70	<1	-9.91		
	G				
	H	6.8			
	J	<1	-11.81		
	7.60				
SILTY CLAY Grey to brown, moist, firm.	K	9			
	L	7.4			
	M	13			

(continued)

REMARKS ... GEOLOGIST ...

... ENGINEER ...

... APPROVED ...

DATE ...

50mm TUBE 75mm 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 39 (cont.)

REF. H 4468

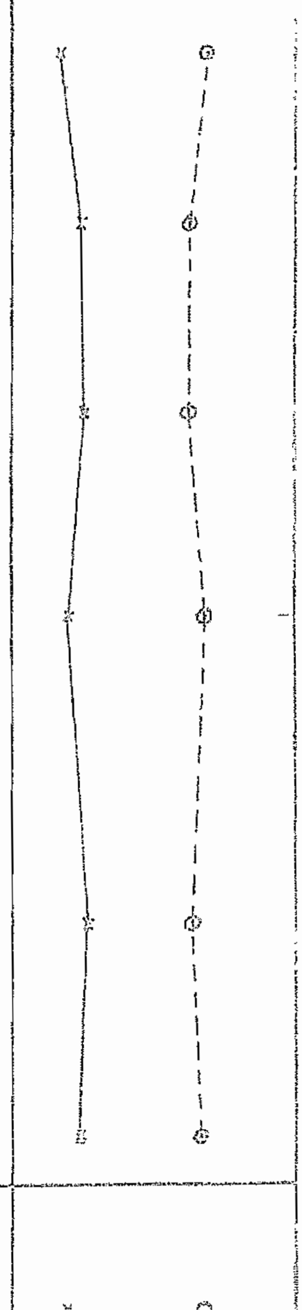
LOCATION .... DATUM ....

GROUND

JOB No .... PROJECT No .... DATE .... SURFACE ....

TYPE OF DRILLING: Solid Augering ☐ 65mm Hollow Augering ☒ Casing ☐ NMLC Coring ☐

STRATA DESCRIPTION (Soil Type, Lithology, Weathering)	Depth	Field Sample & N Value	R.L. (1:50)	Graphic Log	Parameters & Indices	MC(%)× 20.0 40.0 60.0 80.0 / DD(t/m³)o 0.5 1.0 1.5 2.0
	10.00		-14.21			
SILTY CLAY (CONT.)						
		N				
		11.2				
		P 8				
		Q				
		12.4				
		R 8				
		S				
		13.9				
		T 12				
		U				
		15.4				
		V 9				
		16.3				
		W 11				
		X				
		17.7				
		Y 14				
		Z				
	19.00	17.1	-23.21			
CLAYEY SAND Brown, moist, firm. Fine grained sand fraction.		AA 17				
		AB				× o



(continued)

REMARKS .... GEOLOGIST ....

.... ENGINEER ....

.... APPROVED ....

50mm TUBE 76mm TUBE S.P.T. TEST WATER LEVEL DATE ....

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

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG

PROJECT: NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING — HOLE No 32 (cont.)

REF. H 4468

LOCATION .... DATUM ....

GROUND SURFACE ....

JOB No .... PROJECT No. .... DATE ....

TYPE OF DRILLING: Solid Augering ☐ 65mm Hollow Augering ☒ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION (Soil Type / Lithology / Weathering)	Depth (25.00)	Field Sample & N Value	R.L. 1:50 (-24.21)	Engineering Properties – Parameters & Indices	MC(%) x / DD(t/m³) o
CLAYEY SAND (CONT.) Irregular clay bands to 20mm throughout.	AC	20.4; 11			
	AD	21.7			x o
	AE	20		[illegible] ...ed.	
	22.10		-26.31		
SAND AND GRAVEL Brown, wet, loose. Coarse sand with gravel to 20mm.	AF				x o
	AG	23.3; 5			
	AH	24.9; >60			
	AJ	26.3; 60/120			
		26.7			
	27.40	27.8	-31.61		

STRATA DESCRIPTION	Depth	Field Sample / Core Rec %	STRUCTURE	Intact Strength	Defect Spacing
COAL Black, brittle, sub-horizontally bedded sedimentary rock. MODERATELY WEATHERED Highly fractured during drilling due to low cleat spacing.	AK	60/100	Siltstone band.	Not applicable	
		27.9			
		(0)	Siltstone band.		

REMARKS (continued) Rock Quality Designation (RQD) shown in brackets above core recovery.

GEOLOGIST ....
ENGINEER ....
APPROVED ....
DATE ....

50mm TUBE — 76mm TUBE — S.P.T. TEST — WATER LEVEL

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

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

PROJECT: NORTH SOUTH FREEWAY BRISBANE RIVER CROSSING

HOLE No 39 (cont.)
REF. H 4468
DATUM
GROUND
SURFACE

LOCATION

JOB No ... PROJECT No ... DATE ...

TYPE OF DRILLING: Solid Augering ☐ 65mm Hollow Augering ☐ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION – Soil Type / Lithology	Weathering	Depth 30.00	Core Rec. %	R.L. 1:50 -34.21	Graphic Log	STRUCTURE	ENGINEERING PROPERTIES (Intact Strength / Defect Spacing)
COAL (CONT.)	MODERATELY WEATHERED (CONT.)	30.70	(0) 88	-34.91			
SILTSTONE Grey, fine grained, slightly fissile. Low angled bedded sedimentary rock.	MODERATELY WEATHERED Defects along bedding related to fissility common. Rare sub-vertical joints.	32.20	(7) 100	-36.41	*		
SANDSTONE Grey, fine grained. Low angle bedded sedimentary rock.	MODERATELY WEATHERED Defects common along bedding.	36.30	(43) 100 (0) 100 (0) 100	-40.51	*	Fine grained shale and coal laminations to 3mm.	
END OF HOLE							

REMARKS: Rock Quality Designation (RQD) shown in brackets above core recovery.
x Axial Point Load Test * Rock Test Result - Refer Table

GEOLOGIST
ENGINEER
APPROVED
DATE 7/5/79

Decomposed | Highly Weathered | Moderately Weathered | Slightly Weathered | Core Loss

NOTE: For other symbols see Appendix 1