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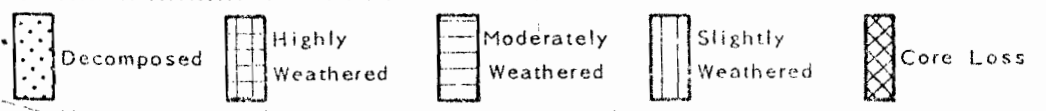
MAIN ROADS DEPARTMENT  
ENGINEERING BORE LOG

PROJECT SOUTH IPSWICH BYPASS - STAGE II ..... HOLE No 14  
 LOCATION Chainage 32800, 50m right of centreline ..... REF. H 3760  
 DATUM State +0.12  
 JOB No 144/17B/201 ..... PROJECT No 2-54 ..... DATE 26-28/2 & 3/3/75 ..... SURFACE 86.73  
 TYPE OF DRILLING: Solid Augering  50mm Hollow Augering  Casing  NMLC Coring

STRATA DESCRIPTION		Depth	Core Rec. %	R.L.	Graphic Log	STRUCTURE	ENGINEERING PROPERTIES	
Soil Type	Weathering			1:50			Intact Strength	Defect Spacing
CLAY Orange-brown, moist, stiff. Slightly organic.		1.10	72	86.73				
SHALE Brown ironstained grey, very fine grained, subhorizontally bedded	HIGHLY WEATHERED Jointing pre-dominantly along bedding plane and coated with yellow iron oxide and clay. Occasional sub-vertical joint.		** 100	85.63		Grey, moist, stiff clay band.		
			85			Iron stained clay band.		
			100					
			90			Highly weathered mudstone band.		
			90			Carbonaceous band with numerous vertical joints.		
	MODERATELY WEATHERED Jointing multi-directional and coated with clay. 84.88 - 80.36 bedding low angle.	4.08	100	82.65				
			90					
			80			Highly weathered fine grained, red ironstained sandstone band with clay along joints.		
		6.37	80	80.36				
	HIGHLY WEATHERED Jointing pre-dominantly along bedding plane and coated with yellow iron oxide.		100			Decomposed seam of brownish-grey, moist, firm clay.		
			100			4/3/75		
		7.92	100	78.81				
			100			Decomposed mudstone seam.		
		8.66	100	78.07				
	MODERATELY WEATHERED Jointing sub-horizontal to low angle and coated with clay.		100			Decomposed seam of brown clay.		

(continued)

REMARKS: ..... x Intact Strength Test ..... GEOLOGIST .....  
 \*\* c=210kPa, φ=21° ..... ENGINEER .....  
 APPROVED .....  
 DATE .....



MAIN ROADS DEPARTMENT  
ENGINEERING BORE LOG

PROJECT SOUTH IPSWICH BYPASS - STAGE II HOLE No 14 (cont.)  
REF. H 3760  
LOCATION ..... DATUM .....  
GROUND .....  
JOB No ..... PROJECT No ..... DATE ..... SURFACE .....  
TYPE OF DRILLING: Solid Augering  50mm Hollow Augering  Casing  NMLC Coring

STRATA DESCRIPTION		Depth	Core Rec. %	R.L.	Graphic Log	STRUCTURE	ENGINEERING PROPERTIES	
Soil Type	Weathering			1:50			Intact Strength	Defect Spacing
<u>SHALE (CONT.)</u>				76.73				
<u>MODERATELY WEATHERED (CONT.)</u>			100					
			100					
		12.47	86	74.26	▽	6/3/75		
			100					
		14.17		72.56	▽	7/3/75		
			100					
		15.06		71.67				
<u>SANDSTONE</u>			100			Conglomerate pebbles to 50mm.		
Greyish brown, coarse grained, horizontally bedded sedimentary rock.			100			Conglomerate band with pebbles to 60mm.		
			100		▽	Poorly cemented conglomerate band. 14/7/75		
			100			Poorly cemented conglomerate band.		
			100					
			95					
			100					
END OF HOLE		19.81	100	66.92	*	* Decomposed conglomerate with pebbles to 50mm		

REMARKS: \* Water Level at RL 66.92 on 27/3/75  
x Intact Strength Test

GEOLOGIST *J. Miles*  
ENGINEER *B. D. D.*  
APPROVED *(Signature)*  
DATE 27/1/75

