

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://ggd.org.au/>

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG

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

PROJECT HOUGHTON HIGHWAY BRIDGESITE SUPPLEMENTARY FOUNDATION
INVESTIGATION
LOCATION Chainage 2866.5, 2 metres right of structure centreline
(Approx. location of Pier 68)
JOB No 140/122/201 PROJECT No 1-145 DATE 31/5-2/6/78
TYPE OF DRILLING: Solid Augering ☐ 50mm Hollow Augering ☐ Casing ☒ NMLC Coring ☒

HOLE No 36
REF. H 4505
DATUM BCC
GROUND
SURFACE 0.10

STRATA DESCRIPTION			Field Sample & N Value	R.L.		Graphic Log	ENGINEERING PROPERTIES			
Soil Type Lithology	Weathering	Depth 0.00		1:50	Parameters & Indices		MC(%)x	DD(1/m ³)o		
				0.10			x	x	x	
<u>ALLUVIUM</u> Fine to coarse grained, subhorizontally bedded, unconsolidated sediment. Strata boundaries above RL -31.47 are approximate only (± 0.5m).	<u>SAND</u> Fine grained, loose.	A								
		B								
		C								
		3.00		-2.90						
	<u>SILTY CLAY</u> Dark grey, soft, organic, contains slight to moderate component of fine grained sand.	D								
		E								
		F								
		G								
		H								
		8.00		-7.90						
	<u>SILTY SAND</u> Gray, fine grained, loose, organic.	J								
		K								
		10.00								

REMARKS
GEOLOGIST
ENGINEER
APPROVED
DATE

☒ 38mm TUBE ☒ Wash Sample ☒ S.P.T. TEST ☒ WATER LEVEL

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG



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

PROJECT HOUGHTON HIGHWAY BRIDGESITE SUPPLEMENTARY FOUNDATION INVESTIGATION HOLE No 36(Cont.)
REF. H
LOCATION DATUM
GROUND
JOB No PROJECT No DATE SURFACE
TYPE OF DRILLING: Solid Augering ☐ 50mm 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	MC(%)x x o	DD(t/m ³)o x o o
SILTY SAND (CONT.)		10.00		-9.90				
		L						
		M						
SILTY CLAY Grey, stiff, organio.		12.00		-11.90				
		N						
		P						
		Q						
		15.00		-14.90				
SILTY SAND Grey, fine grained, medium dense, Contains slight to moderate clay component.		R						
		S						
		T						
		U						
		V						
		19.50		-19.40				
SAND AND GRAVEL		20.00						

REMARKS GEOLOGIST
ENGINEER
APPROVED
DATE
☒ 39mm TUBE
 ☒ Wash Sample
 ☒ S.P.T. TEST
 ☒ WATER LEVEL

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

Form 2341(C)
(P) /10/74

PROJECT HOUGHTON HIGHWAY BRIDGESITE SUPPLEMENTARY FOUNDATION INVESTIGATION HOLE No 36(Cont.)
LOCATION REF. H
DATE DATUM
JOB No PROJECT No GROUND
SURFACE
TYPE OF DRILLING: Solid Augering ☐ 50mm Hollow Augering ☐ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION		Depth	Field Sample & N Value	R.L.		ENGINEERING PROPERTIES		
Soil Type Lithology	Weathering			1:50	Graphic Log	Parameters & Indices	MC(%)x	DD(t/m ³)o
		20.00		19.90			x o	x o
<u>SAND AND GRAVEL</u> (CONT.) Grey-brown, medium, dense, fine to coarse grained sand, containing fine gravel.		W						
		X						
		Y						
		Z						
		AA						
		BB						
		CC						
		DD						
		EE						
		28.50		28.40				
<u>CLAYEY GRAVEL</u> Grey, stiff, slightly sandy clay with coarse gravel.		FF						
		30.00						

REMARKS GEOLOGIST
ENGINEER
APPROVED
DATE
 38mm TUBE  Wash Sample  S.P.T. TEST  WATER LEVEL

NOTE:- For other symbols see Appendix I.
(c) State of Queensland (Department of Transport and Main Roads) 2020, CC BY 4.0. Please note copyright and limitation of liability notices on attached cover page.

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

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

PROJECT HOUGHTON HIGHWAY BRIDGESITE SUPPLEMENTARY FOUNDATION INVESTIGATION HOLE No 36(Cont.)
LOCATION REF. H
JOB No PROJECT No DATE SURFACE
TYPE OF DRILLING: Solid Augering ☐ 50mm 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(%)x DD(t/m ³)o x x x o o o
ALLUVIUM (CONT.)	CLAYEY GRAVEL (CONT.)	30.00	FF	-29.90		STRUCTURE	Intact strength H W C U Defect spacing H W C U
			Core Rec %				
SANDSTONE	MODERATELY WEATHERED Local intensification of weathering in the vicinity of decomposed seams. Otherwise sound rock.	31.57	30	-31.47		close (no core, spaced (roller bit) thin (<10mm) subhorizontal decomposed seams	
			0				
		32.62		-32.52		subhorizontal decomposed seam adjacent to a thin shale interbed.	
	SLIGHTLY WEATHERED Faint yellow brown iron staining adjacent to defects.	34.95	97				
			100	-34.85			
END OF HOLE							

REMARKS GEOLOGIST AD
ENGINEER
APPROVED GW
DATE 5/4/78

☒ 38mm TUBE ☒ Wash Sample ☒ S.P.T. TEST ☒ WATER LEVEL