

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://qgd.org.au/>

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

FORM 20 2E (C)
(P) 13/79

PROJECT GATEWAY BRIDGE

Sheet 3 of 6

LOCATION

HOLE No. B22 Con't

REF. H4970

JOB No.

PROJECT No. 1/454

DATE

DATUM AHD

SURFACE R.L.

TYPE OF DRILLING

Hollow Auger

Depth (m)

Casing

Depth (m)

Coring

Depth (m)

Depth (m)

ENGINEERING PROPERTIES

GRAPHIC LOG

FIELD SAMPLE & N VALUE

Depth & RL ()

STRATA DESCRIPTION

MC () x DD (1/m³) 0

PARAMETERS & INDICES

1:50
20.00

SOIL TYPE LITHOLOGY OR WEATHERING

(-16.30)

REMARKS

GEOL. APPR.

ENGR.

SPT
 Core Loss
 WEATHERED
 Extremely
 Moderately
 Water
 NOTE

MAIN ROADS DEPARTMENT , ENGINEERING BORE LOG

PROJECT GATEWAY BRIDGE

FORM 20/22 (10/7)

(P) 13/79

Sheet 4 of 6

HOLE No. B22 Con't

REF. H4970

DATUM AHD

SURFACE R.L.

LOCATION

JOB No.

PROJECT No. 1/454

DATE

TYPE OF DRILLING

Hollow Auger

Depth (m)

Depth (m)

Coring

Depth (m)

Depth (m)

Casing

Depth (m)

Depth (m)

Depth (m)

Depth (m)

ENGINEERING PROPERTIES				GRAPHIC LOG	FIELD SAMPLE & N VALUE	Depth & RL ()	STRATA DESCRIPTION			
MC () x		DD (1/m ³) 0					PARAMETERS & INDICES	1-50	SOIL TYPE OR WEATHERING	LITHOLOGY
x 0	x 0	x 0	x 0							
						(-26.30)				
					19	32.45				
					50 210	33.85				
					50* 90	35 35.1				
					20 80	36.5 36.6				
					32 150	38.15 38.5				
					50	37.1 37.9				

REMARKS

GEOL. APPR.

ENGR.

SPT
 Core Loss
 WEATHERED CONDITION
 Extremely Weathered
 Moderately Weathered
 Water Level
 NOTE FOR OTHER SYMBOLS

PROJECT GATEWAY BRIDGE

Sheet 5 of 6

LOCATION

HOLE No. B22 Cont'd

REF. H4970

DATUM AHD

SURFACE R.L.

DB No. PROJECT No. 1/454 DATE

TYPE Hollow Auger Depth (m) Casing Depth (m)
 DRILLING Coring Depth (m)

ENGINEERING PROPERTIES										STRUCTURE	GRAPHIC LOG	CORE REC. % R.Q.D. ()%	Depth & R.L. () 1:50 40.00	STRATA DESCRIPTION	
Intact strength					Defect Spacing									SOIL TYPE	LITHOLOGY
C	M	L	V	W	EC	VC	O	M	W					OR WEATHERING	
												30* 50	(-36.30)		
												(0) 60	42.30 (-38.60)	CLAYEY GRAVEL	
												(0) 42		Brown, wet, dense coarse sand and gravel to 40mm	
												(0) 72		HIGHLY WEATHERED	
												(0) 83		Highly fragmented and fractured along horizontal and vertical cleat. Mudstone bands usually low strength clayey	COAL Coal seams to 200mm containing poorly fissile shale and mudstone bands to 60mm
												(0) 80			
												(0) 100			
												(0) 100			
										Mudstone		(0) 80			
										Mudstone		(0) 65	49.35 (-45.65)		
										Highly weathered band				SLIGHTLY WEATHERED	MUDSTONE

MARKS GEOL. ENGR. APPR.

S.P.T. Core Loss WEATHERED CONDITION Extremely Weathered Moderately Weathered Water Level NOTE FOR OTHER SYMBOLS

PROJECT GATEWAY BRIDGE

Sheet 6 of 6

LOCATION

HOLE No. B22 Cont't

REF. R4970

JOB No.

PROJECT No. 1/454

DATE

DATUM AHD

SURFACE R.L.

TYPE OF DRILLING: Hollow Auger [] Depth (m) [] Casing [] Depth (m) []
 Coring [] Depth (m) [] [] Depth (m) []

ENGINEERING PROPERTIES		STRUCTURE	GRAPHIC LOG	CORE REC. % R.Q.D. () %	Depth & R.L. () 1:50 50.00	STRATA DESCRIPTION	
Intact Strength	Defect Spacing					SOIL TYPE OR WEATHERING	LITHOLOGY
[]		Shear zone closely spread defects clay coated	[]	(12) 100	(-46.30)	SLIGHTLY WEATHERED	LIMESTONE massive fine grained to poorly fissile rock
[]		High angle defects defect surfaces fresh or thinly clay coated	[]	(34) 100		Grey, defects dip subhorizontal and 60°	
[]		Low strength clayey seam	[]	(73) 100		Defect surfaces fresh or thinly clay coated.	
[]		Low strength clayey seam	[]	(30) 100	53.50		
[]		Bandstone grey, fine-grained	[]	(30) 100	53.50		
[]			[]		(-49.80)	END OF HOLE	

REMARKS

GEOLOGICAL APPR. [Signature] ENGR. NR []

S.P.T.
 Core Loss
 WEATHERED CONDITION: Extremely Weathered
 Moderately Weathered
 Water Level
 NOTE FOR OTHER SYMBOLS