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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

PROJECT Moreton Bay Rail Link COORDINATES 501906.3 E; 6985851.2 N LOCATION Bruce Hwy Rail Bridge 6, Abutment B, Ch.4820 PROJECT No_FG5921_____ DATE STARTED <u>5/7/11</u> GRID DATUM <u>MGA94 Zone 56</u> SURFACE R.L. __7.70m_ PLUNGE ______ DATE COMPLETED 5/7/11 JOB No 250/120/3 HEIGHT DATUM AHD BEARING DRILLER R&D Drilling Pty Ltd R.L. RQD INTACT DEFECT ADDITIONAL DATA STRENGTH **SPACING** ()% (m) DEPTH (m) MATERIAL AND GRAPHIC SAMPLE **DESCRIPTION** COTHER CO TESTS SAMPL WEAT

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ENGINEERINGBOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

PROJECT		Moreton Bay Rail Link Bruce Hwy Rail Bridge 6, Abutment B, Ch.4820 CO											
				Kall Bridge 6, Adutment B, Cn.4820 SURFACE R.L PLUNGE							RDINATES 501906.3 E; 6985851.2 N		
JOB	JOB No <u>250/120/3</u> HEIGHT DATUM <u>AHD</u> BEARING DATE COMPLETED <u>5/7/11</u> DRILLER <u>R&D Drilling Pty Ltd</u>									<u> </u>			
(m)	R.L. (m)	R. R. G. R.	RQD ()%		MATERIAL	\ \ \ \ \	U.N.	INTACT DEFECT STRENGTH SPACING (mm)	907	ADDIT	IONAL DATA		
DEPTH (m)		#\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		드	DESCRIPTION	LITHOLOGY			GRAPHIC LOG		AND	PLES 'S	
10	-2 30	AUGER CASING OTHER	CORE REC %	SAMPLE		Ĭ	USC	C	GRAF	TES1	T RESULTS	SAMPLES	
-	2.00				SANDSTONE						Is(50) = 1.56MPa	0	
-			100		SW: (Cont'd) Becoming laminated below 14.2m; becoming coarse grained below 14.6m.						Is(50) = 1.05MPa Is(50) = 1.75MPa 2.32t/m³; MC = 4.9%;	x -	
- - - - 11			(133)		Contains thin carbonaceous seams in parts.					DD =	UCS=20.3MPa	učs :	
-					Defects:						Is(50) = 2.06MPa Is(50) = 1.56MPa	0 -	
_					- Drilling-induced lamination partings @ 5° (1/m)						Is(50) = 1.69MPa Is(50) = 1.88MPa	0 _	
-			100		Defect surfaces are mainly wide spaced,						Is(50) = 2.19MPa Is(50) = 2.15MPa	x -	
12 - -			(100)		irregular, slightly rough, closed and minor carbonaceous infill.					DD =	2.35t/m ³ ; MC = 3.8%; UCS=23.7MPa	UČS	
-							sw				Is(50) = 1.33MPa Is(50) = 1.81MPa	x -	
- 13											Is(50) = 1.73MPa Is(50) = 1.70MPa	x =	
-			100										
-			(100)								Is(50) = 1.72MPa Is(50) = 1.66MPa	x - 0	
14											Is(50) = 1.53MPa	x -	
-											Is(50) = 2.01MPa Is(50) = 0.31MPa	0] X]	
-										Carb band	Is(50) = 0.33MPa	0 -	
-	-7.25		100								Is(50) = 0.49MPa	x -	
15 - -					Borehole terminated at 14.95m			: : : : : 			Is(50) = 0.48MPa	0 7	
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R	EMARK	.s								-	BW / LVD		



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Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	05/07/11
Borehole No	BH 54	TMR H No	
Location	Bruce Highway Rail Bridge	Start Depth (m)	6.00
Detail	Abutment B Structure	Finish Depth (m)	14.95
Chainage	4828 Approx	Submitted By	BW
Remarks			
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