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Retrieved from the Queensland Geotechnical Database http://qgd.org.au/

									_		FINAL 2	7/09/2018
N. AR	受心"		20 Z			GE	OTECHNIC	CAL		BOREHOLE No	CR	R928
NA.		Que	ensland			BO	REHOLE L	OG	_	Sheet	1 of 3	
NS.		3000	ernment		SYN		GEOTECHNICAL TERMS REFER FORM F:GEOT C			REFERENCE No	H	13045
ROJECT	Cross Ri	iver Rail	(CRR) Project - Additional Ge	eotechnic	al In	ivesti	gation					
OCATION	QR May	ne Yard							(COORDINATES 503861.4	E; 696530	01.3 N
ROJECT No	FG6470)	SURFACE RL 4.00m	1	PLU	NGE 9	90°	DATE STAR	TED 14/05/2018	grid datum N	/IGA94	
OB No			HEIGHT DATUM AHD		BEAF			DATE COMPLE	TED 15/05/2018	DRILLER G	ieodrill	
	-	RQD			×	U	INTERT	DEEEOT		ADDITIONAL DATA		
(E) HLLA (M) (M)	R IBORING DRILLIN) % Ildwes	MATERIAL DESCRIPTIO	N	ГІТНОГОСУ	USCS WEATHERING				AND TEST RESULTS		SAMPLES TESTS
- 1			FILL Non destructive drilling tec used. No sample to log.	hnique					0.00m-2.10m: Non d drilling	estructive		
1.40			Gravelly CLAY (Fill) Dark grey, moist, stiff. High plasticity; fine to medium g	ravel,		(CI)		-			2, 1, 2 N=3	
- 3		AB	subrounded; trace fine to n sand. CLAY (Alluvium)]				_	→ 3.00m-3.40m: No re	covery. Cobble.	5=11	SPT
- 4		с	Dark grey minor mottled pa brown, moist, very soft to s plasticity; trace organic mat	oft. High						MC=37 D	51% PI= 28% '.2% LS= 12% D= 1.32 t/m3 D= 1.81 t/m3	U50 -
5		D						-	5.00m-5.40m: UU Tr	D	MC=52.9% D= 0.99 t/m3 D= 1.51 t/m3	U50
6		E	6.8m: Becoming CLAY with interbedded bands of CLAY			(CH)					hw, hw, 1 N=1	SPT
8		F	Sand. Fine grained sand.								hw, hw, hw N<1	SPT
9		G								D	6 Oedometer D= 1.58 t/m3 D= 1.93 t/m3	U50
-6.00			Continued on post -b									
RENAL	KS: Rif	- Rrich	Continued on next shee	et							DC \//F	
		טנוים								LOGGED BY		WED BY Foley
										NU	J 3.	i uley

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

							FINAL 2	7/09/20	
	第 7		GE	OTECHNICAL		BOREHOLE No	CR	R928	
	Queensland	I	BO	REHOLE LOG	HOLE LOG Sheet 2 of 3				
12 get	Government	SYM	FOR GEOTECHNICAL TERMS AND REFERENCE NO SYMBOLS REFER FORM F:GEOT 017/8-2014				H13045		
OJECT	Cross River Rail (CRR) Project - Additional	Geotechnical Inv	/estig	ation					
CATION	QR Mayne Yard					COORDINATES 503861.4	E; 696530)1.3 N	
DJECT No	FG6470 SURFACE RL 4.0	Om PLUN	ige 90	D° DATE STAR	TED 14/05/2018	GRID DATUM	MGA94		
3 No	HEIGHT DATUM AHI	D BEARI	NG	DATE COMPLE	TED 15/05/2018	DRILLER (Geodrill		
R.L. (m)	RQD SUIT OF CORE NUMBER OF CORE NUMER OF CORE NUMBER OF CORE NUMBER OF CORE NUMBER OF CO		USCS WEATHERING	INTACT DEFECT STRENGTH SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS	
	방동방문 REC % 국동 동 S CLAY (Alluvium)						MC=24.2%		
-6.30	Cont'd.		(CH)	+			D= 1.78 t/m3 D= 2.21 t/m3	U50	
11	Clayey SAND (Alluvium) Pale grey mottled pale br white, moist, medium de medium to coarse. High clay. Trace fine to mediur subrounded gravel.	ense, plasticity m,	(SC)						
	1		(50)	+			10, 9, 10 N=19 =52% PI= 35% 7.1% LS= 16%	SPT	
-8.50									
-0.50	CLAY (Residual)			+					
3	Pale grey mottled pale br moist, very stiff. Medium			<u>+</u>			5, 6, 9		
-	J			+			N=15	SPT	
				+					
				÷					
4				+					
				Ŧ					
	к			+			6, 8, 8 N=16	SPT	
5				<u>+</u>					
				+					
				±					
				+			6, 8, 13 N=21		
			(CI)	<u>+</u>			=65% PI= 44% 5.5% LS= 14%	SP	
				<u>+</u>					
				+					
				±			7, 11, 14		
	M	E		+			N=25	SPT	
3									
				<u>+</u>					
				±					
9				<u>+</u>			8, 15, 21		
	N 19.0m: Becoming CLAY v interbedded bands of CL	AY with					N=36	SPT	
	Gravel and Sand. Pale gumottled pale brown and r	red, moist,		+					
-16.00	hard. Fine to medium gra sand, fine to coarse grav angular.	el,		+					
	Continued on next st KS: Rif - Brisbane Tuff	heet				100075	_		
REIVIAR	NJ. KII - BIISDANE IUIL					LOGGED BY		WED B	
						ND	S.	Foley	

										FINAL 2	7/09/2018
	NG.	(80) bi			GE	OTECHN	ICAL		BOREHOLE No	CF	R928
	🔊 Que	ensland		BOREHOLE LOG					Sheet	3 of 3	
Government						GEOTECHNICAL TER REFER FORM F:GEO		REFERENCE No	H	13045	
PROJECT	Cross River Rail	(CRR) Project - Additio	I Lenser Lens Lenser Lenser L	al In	vesti	gation		[
LOCATION	QR Mayne Yard								COORDINATES 503861.4	E; 69653	01.3 N
PROJECT No	FG6470	SURFACE RL	4.00m	PLUI	nge 9	0°	DATE STAF	RTED 14/05/201			
JOB No		HEIGHT DATUM			ung °			TED 15/05/201		Geodrill	
	RQD	_			(D						
DEPTH (m) B.L. (m)	CORE DATING () % () % CORE DATILING CORE DATING REC % % WDFE	MATERIAL DESC	CRIPTION	ГІТНОГОGY	USCS WEATHERING	INTACT STRENGTH			ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
-		CLAY (Residual)									
21	0	Cont'd.	AY with Sand.		(CI)		-			13, 15, 19 N=34	SPT
	(40)	TUFF (Rif) MW: Pale grey and p to medium gravel size fine grained matrix, r medium to high strer - Js: 0-20° (2-4/m) Pl-	nassive, ngth.	6 2 6 2 6	HW MW HW		C M			hb	
24 -20.01		TUFF (Rif) SW: Pale grey, fine to gravel sized clasts in a matrix, massive, med strength. - Js: 0-20° (5-8/m) Pl-	a fine grained lium to high		MW		w		is(50)=0.81 MPa 50)=0.94 MPa 50)=0.60 MPa 50)=1.30 MPa	D (23.82m) A (23.83m) D (24.82m) D (24.82m) A (24.84m)
- 26 - 26 	100 (67)				SW	н	M C M	26.46m: HW Band	اء) اد اد اد	CS=28.60 MPa E=5.67 GPa 50)=1.20 MPa 50)=1.30 MPa 50)=0.76 MPa 50)=2.20 MPa CS=46.70 MPa E=7.42 GPa	(25.98m) D (26.27m) A (26.28m) D (27.21m) A (27.21m) (27.27m)
29 -24.00	100	Borehole complete	d at 28.00m								
BENVAD	KS: Rif - Brisb	ane Tuff								00.07	
	J. INI - DIISD	and full							LOGGED BY		EWED BY
			TMR GE	EOTECH	INICAL BO	DREHOLE LOG - CREATED W	ITH HOLEBASE SI		ND	э.	Foley

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Detailed Discontinuity Description Log



This form is intended for the detailed description of discontinuities and defects as measured in outcrop by line mapping, or as they occur downhole in drilled rock core. The descriptions and abbreviations used shall be in accordance with Australian Standard AS1726-1993 Geotechnical site investigations and TMR Geotechnical Terms and Symbols Form F:GEOT017/8.

Project Nan	ne	Cross Rive	r Rail - Stag	ge 2		Project No. FG6470					
Site ID / Bo	rehole No.	CRR928				Surface RL 3.998					
Geologist		Nick Dewar				Date 15/05/2018					
						Page	1	of	2		
Traverse	Туре	Dip ° / Dip	Planarity	Roughness	Roughness	Aperture	Infilling	Zones ¹	Other		
Chainage;		Direction °;			Class						
or	LP /	or				CD /	Cn /	SZ /			
Down hole	BP /	Angle ° from	Stp /	Ro /	I to IX	OP /	St /	CZ /			
depth	FP /	horizontal	Un /	Sm /		FL /	Vr /	HFZ /			
(rock core)	J etc.	(rock core)	PI	SI		ТІ	Ct ¹	AZ			
22.06	J	10	Un	Sm	V	OP	Cn				
22.11	J	5	Un	Ro	IV	FL	Vr		Cly/HW band		
22.15	J	5	Un	Ro	IV	CD	Vr		Cly/HW band		
22.29	J	0	PI	Sm	VIII	ТІ					
22.49	J	5	Un	Sm	V	OP	Cn				
22.53	J	5	Un	Ro	IV	FL	Vr		Cly/HW band		
22.63	J	0	PI	Sm	VIII	OP	Cn				
22.70	J	0	Un	Sm	V	OP	Cn				
23.07	J	5	Un	Sm	V	OP	St		Fe		
23.16	J	15	Un	Sm	V	OP	St		Fe		
23.20	J	0	PI	Sm	VIII	OP	St		Fe		
23.28	J	50	Un	Sm	V	CD	Vr		Fe		
23.41	J	5	Un	Sm	V	OP	St		Fe		
23.43	J	0	Un	Sm	V	OP	St		Fe		
23.47	J	5	Un	Ro	IV	FL	Vr		Cly/HW band		
23.53	J	5	Un	Sm	V	OP	Cn				
23.57	J	0	Stp	Sm	=	CD	Vr		Fe		
23.87	J	0	PI	Sm	VIII	OP	Cn				
23.90	J	55	Stp	Ro	Ι	CD	Vr	F	e,J: 23.9-23.9		
24.01	J	50	Stp	Ro	I	CD	Vr		Fe		
24.08	J	10	PI	Sm	VIII	OP	Cn				
24.10	J	10	PI	Sm	VIII	OP	Cn				
24.63	J	0	PI	Sm	VIII	OP	Cn				
25.65	J	15	Un	Sm	V	OP	Cn				
25.68	J	10	Un	Sm	V	OP	Cn				
25.82	J	15	Un	Sm	V	OP	Cn				
25.93	J	20	PI	Sm	VIII	OP	Cn				
26.30	J	0	PI	Sm	VIII	OP	Cn				
26.30	J	70	Un	Sm	V	OP	Cn		26.3-26.4		
26.42	J	0	Un	Ro	IV	OP	Cn				
26.50	J	5	PI	Sm	VIII	OP	Cn				

Note: 1. Describe zones and coatings in terms of composition and thickness (mm)

F:GEOT 533/9 - 2014

Detailed Discontinuity Description Log



This form is intended for the detailed description of discontinuities and defects as measured in outcrop by line mapping, or as they occur downhole in drilled rock core. The descriptions and abbreviations used shall be in accordance with Australian Standard AS1726-1993 Geotechnical site investigations and TMR Geotechnical Terms and Symbols Form F:GEOT017/8.

Project Nam	ne	Cross Rive	r Rail - Stag	ge 2		Project No. FG6470					
Site ID / Bor	ehole No.	CRR928				Surface RL 3.998					
Geologist		Nick Dewar				Date					
						Page	2	of	2		
Traverse	Туре	Dip ° / Dip	Planarity	Roughness	Roughness	Aperture	Infilling	Zones ¹	Other		
Chainage;		Direction °;			Class						
or	LP /	or				CD /	Cn /	SZ /			
Down hole	BP /	Angle ° from	Stp /	Ro /	I to IX	OP /	St /	CZ /			
depth	FP /	horizontal	Un /	Sm /		FL /	Vr /	HFZ /			
(rock core)	J etc.	(rock core)	PI	SI		ті	Ct ¹	AZ			
26.76	J	10	PI	Sm	VIII	OP	Cn				
26.78	J	15	PI	Sm	VIII	OP	Cn				
26.86	J	60	Stp	Sm	=	OP	Cn		26.86-26.93		
26.98	J	0	PI	Sm	VIII	OP	Cn				
27.02	J	20	PI	Sm	VIII	OP	Cn				
27.09	J	0	PI	Sm	VIII	OP	Cn				
27.52	J	0	PI	Sm	VIII	OP	Cn				
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Note: 1. Describe zones and coatings in terms of composition and thickness (mm)

F:GEOT 533/9 - 2014

CORE PHOTO LOG DEPARTMENT OF TRANSPORT AND MAIN ROADS GEOTECHNICAL SECTION



Project Name	Cross River Rail CRR 2018 – Geotechnical Investigation								
Project No.	FG6470	Date	15/5/18						
Borehole No.	CRR928	Reference No.	H13045						
Location	QR Mayne yard	Start Depth (m)	22.00						
Submitted By	J. Armstrong	Finish Depth (m)	28.00						

