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

BOREHOLE LOG

CLIENT:

PROJECT:

AECOM Australia Pty Ltd

LOCATION: Fenton Street, Annerley

Cross River Rail - Phase 1

 SURFACE LEVEL:
 15.7 m AHD

 EASTING:
 502784

 NORTHING:
 6957841

 DIP/AZIMUTH:
 -90°/-

BORE No: CRR106 PROJECT No: 74321.00 DATE: 20 April 2010 SHEET 1 OF 3

		Description	Degree of Weathering Hater Bool Bool Bool Bool Bool Bool Bool Boo		Rock Strength	Fracture	Discontinuities					& In Situ Testing	
R	Depth (m)	of				Spacing (m)	B - Sedding J - Joint	ak P		e %	RQD %	Test Results &	
			₩₹₹₿₿₽₽₽ ₩	U		0.01 0.10 0.50 1.00	S - Shear D - Drill Br	ak P	- 6	2 Å	<u>я</u>	Comments	
-	0.1	ASPHALTIC CONCRETE											
ŀ		FILLING - moderately well compacted, brown-grey sandy		\bigotimes									
ŀ	0.25	gravel filling, medium to coarse		X									
ŀ	-	gravel fraction with some silt, dry		\bigotimes									
ľ	- -	FILLING - moderately compacted, brown and red-brown mottled,		X									
5		intermediate plasticity sandy clay		1/1									
-	-	filling, fine to coarse grained sand fraction with some silt, trace of		//									
ŀ	-	gravel, moist = becoming red-brown silty clay		1/1									
ł	~1	filling		X									
ļ	[SILTY CLAY - very stiff, red-brown and grey mottled, medium to high		//								6,3,14	
-		plasticity silty clay, with some fine		1/					5			N = 17	
ŀ	-	to medium grained sand, moist (residual tuff)		//									
\mathbf{F}	ŀ			X									
L.	- 1.6			$\overline{\vee}$									
	1	strength, highly to moderately weathered, grey and red-brown mottled tuff		\sim									
ŀ	}	mottled tuff		\sim									
ł	-2			\sim					_				
Ì				\sim				:	s			18,30/120mm	
	[~									
	-			\sim									
ł	-												
÷	2 2.7			\vee									
-		CORE LOSS	<u>Aiiii</u>				2.7m: CORE LOSS: 2380mm						
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ł	-3												
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RIG: MD300 DRILLER: Taberner LOGGED: MAH CASING: HW to 2.5m TYPE OF BORING: Auger 0.00-2.70m, NMLC Core 2.70-10.00m COMPARE Auger 0.00-2.70m, NMLC Core 2.70-10.00m COMPARE Auger 0.00-2.70m, NMLC Core 2.70-10.00m													

WATER OBSERVATIONS: No free groundwater observed whilst augering REMARKS:

 SAMPLING & IN SITU TESTING LEGEND

 A
 Auger sample
 pp
 Pocket penetrometer (kPa)

 D
 Disturbed sample
 PID
 Photo inisation detector

 B
 Buk sample
 S
 Standard penetration test

 U,
 Tube sample (x mm dia.)
 PL
 Point foad strength (s(50) MPa

 W
 Water sample
 V
 Shear Vane (kPa)

 C
 Core drilling
 V
 Water seep

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BORE No: CRR106 PROJECT No: 74321.00 DATE: 20 April 2010 SHEET 2 OF 3

Γ		Description	Degree of Weathering .≌	Rock Strength	Fracture	Discontinuities	Sa	mplir	ıg & I	In Situ Testing	
뭑	Depth (m)	of Strata	Degree of Weathering U Degree of U U Degree of U U U U U U U U U U U U U U U U U U U	Strength Medium Very High Kery High Kery High Kery High Kery High Kery High Kery High Kery Kery Kery br>Kery Kery Kery br>Kery Kery Kery Kery Kery Kery Kery Kery Kery Kery Kery Kery Kery Kery Kery	Spacing (m)	B - Bedding J - Joint S - Shear D - Drill Break	Type	Core ec. %	RQD %	Test Results &	
·	- 5.08	SANDSTONE - medium to high strength, highly to moderately weathered, fractured, orange-brown and red-brown mottled, fine to medium sandstone, bedding at 10° = 80mm clay band				5.15m: B: 10°, un, sm, lim, ag 5.21m 5.2m: B: 10°, un, sm, cf 5mm 5.36m: J: 25°, un, sm, cf 4mm 5.4m: J: 30°, un, ro, lim,	с	17	13	Comments PL(A) = 2.24MPa PL(D) = 0.9MPa	
10	~6	- 30mm clay seam				cc 5.74m: J: 30°, irr, ro, lim 5.87m: B: 10°, un, sm, cf 80mm 6.12m: J: 60°, un, ro, cc					
		SILTSTONE - very low strength, slightly weathered, slightly fractured, grey siltstone, bedding subhorizontal to 20°, sharp contact 50mm fine to medium sandstone interbed 100mm low to medium strength.				6.72m: J: 80°, pl, sm, cc 6.79m: B: 10°, pl, ro	C	100	83	PL(A) = 0.07MPa PL(D) = 0.02MPa	
	-7 7.0	moderately weathered, orange-brown medium sandstone interbed E becoming very low strength CORE LOSS SANDSTONE - low strength, fresh, fractured, grey fine sandstone, bedding subhorizontal = 60mm extremely low to very low strength, moderately to slightly				7m: CORE LOSS: 250mm 7.44m: frg to 7.50m 7.7m: J: 10°, un, sm, cc				PL(A) = 0.16MPa PL(D) = 0.1MPa	
		weathered, fragmented silfstone interbed 50mm clay band becoming low strength, slightly fractured - 110mm low strength, fine conglomerate interbed - bedding at 10° - sporadic carbonaceous laminae to 1mm				8.36m: B: sh, un, sm, cc 8.73m: J: 45°, un, sm	C	92	85		
	- 9.4 - 9.4	CONGLOMERATE - medium to high strength, slightly weathered, slightly fractured, grey, fine grained conglomerate - becoming highly to moderately iweathered, orange-brown - 50mm low strength, fine to				9.38m: B: 20°, pl, ro 9.71m: B: 10°, pl, sm			- SHARPER V	PL(A) = 1.4MPa	
T V	RIG: MD300 DRILLER: Taberner LOGGED: MAH CASING: HW to 2.5m TYPE OF BORING: Auger 0.00-2.70m, NMLC Core 2.70-10.00m WATER OBSERVATIONS: No free groundwater observed whilst augering REMARKS:										

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BORE No: CRR106 PROJECT No: 74321.00 DATE: 20 April 2010 SHEET 3 OF 3

Π		Description	Degree Weatheri	of ,	Rock Strengt	.	Fracture	Discon	tinuities	Sa	molir	a & I	n Situ Testing
R	Depth	of	Weatheri	ng ki k	Strengt	n E	Spacing						
ľ	(m)	Strata	2222.	်ရြ <u>်</u>			(m) 5 88 88 5	B - Bedding S - Shear	J - Joint D - Drill Break	Type	Core Rec. %	ROL 8	& Querrate
\vdash	10.0	becoming moderately to slightly	M H W S S		11111111111111111111111111111111111111	181 <u>0</u>	1.85 1.85 1.85 1.85 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.9			•	- 22	_	Comments
		weathered		1									
		^L 90mm low strength, medium to coarse sandstone interbed		¦									
		Bore discontinued at 10.0m											
	-												
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	IG: MD:	300 DRIL BORING: Auger 0.00-2.70m, NML	LER: Tab		10m	LC	GGED: MAI	н	CASI	NG:	НW	to 2.	5m
		BORING: Auger 0.00-2.70m, NML DBSERVATIONS: No free groundw				na							

REMARKS:

CLIENT:

PROJECT:

AECOM Australia Pty Ltd

Cross River Rail - Phase 1

LOCATION: Fenton Street, Annerley

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 Initials: CMB

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 Water seep

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