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**Queensland
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**GEOTECHNICAL
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH209**

Sheet 1 of 2

REFERENCE No **H12154**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Bridge	COORDINATES 498997.4 E; 6951035.2 N	
PROJECT No	FG6202	SURFACE RL 1.41m	PLUNGE 90°
			DATE STARTED 16/04/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 17/04/2015
			DRILLER North Coast

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CONE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
												EH	VH
1					Silty CLAY (Alluvium) Brown, wet, very soft. High plasticity.	(CH)							
	-0.59			A	SAND with Silt (Alluvium) Grey, wet, very loose. Fine grained.	(SM)				2.00m: Water tabl	U100 Su(PP)=20 kPa		
3	-1.59				Clayey SAND (Alluvium) Grey, wet, very loose. Fine grained sand.	(SC)				hw, hw, 1 N=1	SPT LL=43% PI= 16% MC=55.2% LS= 7% <75µm= 27%		
4	-2.59			B	Silty CLAY with Sand (Alluvium) Grey, moist, very soft. High plasticity.	(CH)				hw, hw, 1 N=1	SPT LL=90% PI= 63% MC=75.5% LS= 19% <75µm= 77%		
6	-4.09			C	Clayey SAND (Alluvium) Grey, moist, very loose. Fine grained sand.	(SC)				hw, hw, hw N<1	SPT		
7				D	Becoming medium to coarse grained sand. Trace clay.	(SC)				5, hw, hw N<1	SPT		
9	-7.09			E	Sandy CLAY (Residual) Pale grey orange brown mottled, moist, hard. Mainly low to medium plasticity, Fissured in parts.	(CL)				6, 15, 20 N=35	SPT		
	-8.19			F	SILTSTONE (Tod) XW: Description next page.	(XW)				50/60mm hb	SPT		
	-8.59												

Continued on next sheet

REMARKS: Tod - Darra formation.

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MS	SF



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Sheet 2 of 2

REFERENCE No **H12154**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Bridge	COORDINATES 498997.4 E; 6951035.2 N	
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JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
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			DRILLER North Coast

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CONE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH		DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	YH	H	M		
11	-9.59					SILTSTONE (Tod) (Contd') XW: Recovered as dark grey, moist, hard Silty Clay. Medium plasticity.	X	XW					50/20mm hb Is(50)=0.70 MPa Is(50)=1.00 MPa	SPT D (11.05m) A (11.10m)
12	-10.59		100	(100)		SILTSTONE (Tod) SW: Grey to dark grey, fine grained, thinly laminated, medium to high strength. Interbedded Sandstone bands (<40mm) Defects: LP at 0-5° (1/m) : Pl, Sm, TI, Cn	X	SW					Is(50)=1.00 MPa Is(50)=1.10 MPa	D (12.43m) A (12.47m)
13			100	(100)		SILTSTONE (Tod) MW: Grey to dark grey, fine grained, thinly laminated, mainly medium strength. Defects: LP at 0-5° (2/m) : Pl, Sm, TI, Cn	X						Is(50)=0.81 MPa Is(50)=0.87 MPa UCS=8.62 MPa	D (12.85m) A (12.89m) (12.95m)
14			100	(100)			X	MW					Is(50)=0.61 MPa Is(50)=0.68 MPa	D (14.30m) A (14.35m)
16			100	(70)		Lamination becoming less prominent, becoming carbonaceous.	X							
16			100			HW Siltstone	X	HW					Is(50)=0.24 MPa Is(50)=0.28 MPa	D (16.20m) A (16.25m)
17	-15.39					Borehole completed at 16.80m	X						Is(50)=0.22 MPa Is(50)=0.29 MPa	D (16.60m) A (16.64m)

REMARKS: Tod - Darra formation.	LOGGED BY	REVIEWED BY
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