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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 **BH208**

Sheet 1 of 3

REFERENCE No **H12153**

PROJECT Ipswich Motorway Upgrade - Rocklea to Darra
 LOCATION Oxley Creek Bridge COORDINATES 499040.2 E; 6951045.4 N
 PROJECT No FG6202 SURFACE RL 4.43m PLUNGE 90° DATE STARTED 29/04/2015 GRID DATUM MGA94 Z56
 JOB No 201/416/003 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 30/04/2015 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
1	3.33				Sandy CLAY (Fill) Brown grey, moist, soft to firm. Low to medium plasticity, minor fine angular gravel, some tree roots.	(CI)					
2				A	Silty CLAY (Fill) Dark grey dark brown, moist, soft. firm High plasticity, minor tree roots.	(CH)				2, 1, 2 N=3	SPT
3	1.83			B	Silty CLAY (Residual) Brown yellow grey mottled, moist, very stiff. Low plasticity, minor fine angular gravel.	(CL)				5, 11, 14 N=25	SPT
4				C	SILTSTONE (Tod) XW: Recovered as pale grey brown yellow mottled, moist to dry, hard Clayey Sandy Silt. Low plasticity. Thin bands of fine grained XW sandstone. Some angular fine to medium XW-HW rock fragments.	XW				12/06/2015 14, 30/100mm	SPT
5				D						30, 30/90mm	SPT
6				E						30/120mm	SPT
7				F						30/60mm	SPT
8											
9											
	-0.07										
	-5.57										

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REMARKS: Tod - Darra formation.
A standpipe is installed in this borehole.

LOGGED BY	REVIEWED BY
MS	SF



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**GEOTECHNICAL
BOREHOLE LOG**

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SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH208**

Sheet 2 of 3

REFERENCE No **H12153**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra				
LOCATION	Oxley Creek Bridge		COORDINATES 499040.2 E; 6951045.4 N		
PROJECT No	FG6202	SURFACE RL 4.43m	PLUNGE 90°	DATE STARTED 29/04/2015	GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °	DATE COMPLETED 30/04/2015	DRILLER North Coast

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
												EH	VH
11.00	-6.97			G	SILTSTONE (Tod) XW: (Contd')	XW				30/100mm	SPT		
12.00				H	SANDSTONE (Tod) XW: Recovered as pale grey, moist to dry, very dense Silty Sand. Fine grained sand. Thin bands of XW siltstone.	XW				30/90mm	SPT		
13.00				J		XW				30/90mm	SPT		
14.00				K		XW				30/60mm	SPT		
15.00	-11.07				SILTSTONE (Tod) XW: Recovered grey brown, moist, hard Clayey Sandy Silt. Low plasticity.	XW				16.00m: Becoming HW Siltstone.			
16.00	-12.07		(100)		SILTSTONE (Tod) MW: Dark grey - grey, fine grained, thinly to thickly laminated, mainly medium strength. Some fine grained MW sandstone interbeds (<15mm). Defects: LP at 5° (2/m): Pl, Ro, TI, Cn.	MW				16.81m: Sandstone band (30mm).	Is(50)=1.10 MPa D (16.55m) Is(50)=1.20 MPa A (16.60m)		
17.00			100 (100)								UCS=9.55 MPa (17.50m)		
18.00			100 (100)								Is(50)=0.74 MPa D (17.80m) Is(50)=0.99 MPa A (17.85m)		
19.00	-14.22		100 (100)		SILTSTONE (Tod) SW: Dark grey - grey, fine grained, thinly laminated to thickly bedded, medium strength. Defects: LP at 5° (2/m): Pl, Ro, TI, Cn.	SW					Is(50)=0.70 MPa D (18.80m) Is(50)=0.84 MPa A (18.85m)		
20.00	-15.57		100 (100)										

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REMARKS: Tod - Darra formation.
A standpipe is installed in this borehole.

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STANDPIPE INSTALLATION LOG

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

BOREHOLE No **BH208**

Sheet 1 of 3

PIEZOMETER No **BH208**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Bridge	COORDINATES 499040.2 E; 6951045.4 N	
PROJECT No	FG6202	SURFACE RL 4.43m	PLUNGE 90°
			DATE STARTED 29/04/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 30/04/2015
			DRILLER North Coast

DEPTH (m)	R.L. (m)	LITHOLOGY	MATERIAL DESCRIPTION	Standpipe Construction Details		
				Depth (m) /RL (AHD)	50mm PVC Class No. 18 Stick Up = 0.50m	Backfill Details
1	3.33		Sandy CLAY (Fill) Brown grey, moist, soft to firm. Low to medium plasticity, minor fine angular gravel, some tree roots.			Grout (Bentonite / Cement Mix)
2			Silty CLAY(Fill) Dark grey dark brown, moist, soft. High plasticity, minor tree roots.	2.00m / 2.43 AHD		
	1.83					Bentonite Seal
3			Silty CLAY(Residual) Brown yellow grey mottled, moist, very stiff. Low plasticity, minor fine angular gravel.	3.00m / 1.43 AHD		Top of Slotted Pipe
4						
5	-0.07		SILTSTONE (Tod) XW: Recovered as pale grey brown yellow mottled, moist to dry, hard Clayey Sandy Silt. Low plasticity. Thin bands of fine grained XW sandstone. Some angular fine to medium XW-HW rock fragments.	12/06/2015		
6						
7						
8						
9						
	-5.57					

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REMARKS: Tod - Darra formation. A standpipe is installed in this borehole.	LOGGED BY	REVIEWED BY
	MS	SF

Project Name	Ipswich Motorway Upgrade – Rocklea to Darra		
Project No.	FG6202	Date Completed	30/04/2015
Borehole No.	BH208	Reference Number	H12153
Location	37163.9 E; 151914.8 N	Start Depth (m)	16.50
Submitted By	DP	Finish Depth (m)	22.45
Remarks	-		

