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Queensland Government

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH231**

Sheet 1 of 3

REFERENCE No **H12165**

PROJECT Ipswich Motorway Upgrade - Rocklea to Darra
 LOCATION Little Doris Creek Bridge COORDINATES 498347.0 E; 6950885.1 N
 PROJECT No FG6202 SURFACE RL 3.49m PLUNGE 90° DATE STARTED 07/05/2015 GRID DATUM MGA94 Z56
 JOB No 201/416/003 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 08/05/2015 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
0	2.49				Silty CLAY (Fill) Yellow brown, moist, firm. Medium plasticity, trace fine gravel.	(CI)							
1				A	Silty CLAY (Alluvium) Dark grey brown, moist, stiff. High plasticity, Trace fine grained sand.	(CH)				4, 3, 6 N=9	SPT		
2	0.99				Silty CLAY (Alluvium) Grey brown moist, very soft . High plasticity	(CH)				inferred GWT			
3				B	soft to firm	(CH)				1, 1, 1 N=2	SPT		
4				C		(CH)				Su(PP)=296 kPa	U100		
5						(CH)				hw, hw, hw N<1	SPT		
6	-2.01			D	Silty CLAY (Alluvium) Grey brown, moist, soft to firm . High plasticity. Trace sand.	(CH)				2, 2, 2 N=4	SPT		
7					Becoming stiff.	(CH)							
8				E		(CH)				6, 5, 6 N=11	SPT		
9				F	Becoming pale grey pale brown, medium plasticity clay.	(CH)				3, 5, 9 N=14	SPT		
10	-6.51					(CH)							

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REMARKS: Tod - Darra formation.

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JL/MS	SF



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BOREHOLE No **BH231**

Sheet 2 of 3

REFERENCE No **H12165**

PROJECT Ipswich Motorway Upgrade - Rocklea to Darra
 LOCATION Little Doris Creek Bridge COORDINATES 498347.0 E; 6950885.1 N
 PROJECT No FG6202 SURFACE RL 3.49m PLUNGE 90° DATE STARTED 07/05/2015 GRID DATUM MGA94 Z56
 JOB No 201/416/003 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 08/05/2015 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
11				G	Silty CLAY (Residual) Pale grey yellow, moist, very stiff. High plasticity. minor fine grained sand.	(CH)				5, 9, 13 N=22	SPT
					Colour changed to red pale grey yellow.						
12				H		(CH)				6, 9, 15 N=24	SPT
13											
14				J		(CH)				5, 9, 14 N=23	SPT
15				K	Becoming hard.	(CH)				8, 14, 21 N=35	SPT
16	-12.21				Sandy CLAY (Residual) Pale grey, moist, hard. Low plasticity, fine grained sand.	(CL)				21, 30/110mm	SPT
17				L		(CL)					
18				M		(CL)				30/130mm	SPT
19	-15.71				Clayey SAND (Residual) Pale grey, moist, very dense. Fine grained sand.	(SC)				24, 30/130mm	SPT
20	-16.51			N		(SC)					

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REMARKS: Tod - Darra formation.

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**GEOTECHNICAL
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BOREHOLE No **BH231**

Sheet 3 of 3

REFERENCE No **H12165**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra				
LOCATION	Little Doris Creek Bridge	COORDINATES 498347.0 E; 6950885.1 N			
PROJECT No	FG6202	SURFACE RL	3.49m	PLUNGE	90°
				DATE STARTED	07/05/2015
				GRID DATUM	MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	08/05/2015
				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
	-17.11				Clayey SAND (Residual) (Contd')		(SC)						
21				P	Silty CLAY (Residual) Grey brown, moist, hard. High plasticity, minor fine sand.					8, 13, 20 N=33	SPT		
22					Colour changed to pale grey pale brown.		(CH)						
23				Q						13, 20, 30 N=50	SPT		
24	-20.51			R	SILTSTONE (Tod) XW: Recovered as dark grey, moist, hard Silty Clay. High plasticity.					13, 23, 30/130mm	SPT		
25													
26				S						14, 23, 30 N=53	SPT		
27				T			XW			12, 18, 28 N=46	SPT		
			(0)		Colour changed to dark grey.								
28													
			100 (0)										
29													
	-26.41		100										
Borehole completed at 29.90m													

REMARKS: Tod - Darra formation.	LOGGED BY	REVIEWED BY
	JL/MS	SF

Project Name	Ipswich Motorway Upgrade – Rocklea to Darra		
Project No.	FG6202	Date Completed	08/05/2015
Borehole No.	BH231	Reference Number	H12165
Location	36470.3 E; 151754.9 N	Start Depth (m)	27.0
Submitted By	DP	Finish Depth (m)	29.9
Remarks	-		

