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														FINAL Z	5/06/
	* 37	N)	22						GE	OTECHN	IICAL		BOREHOLE No	Bł	H235
		10	ð)			nsland			BO	REHOLE	LOG		Sheet 1	of 3	
	B	K	ľ	Gov	ver	nment		SY		GEOTECHNICAL TE REFER FORM F:GE			REFERENCE No	H1	12169
PROJE	CT		psw	rich Moto	orway	Upgrade - Rocklea	to Darra								
LOCAT	ΓΙΟΝ	_	Oxle	y Creek (	Overfl	ow Bridge							COORDINATES 498780.3 E	; 695097	75.6 N
PROJE	CT No		-G6	202		SURFACE RL	3.04m	PLU	JNGE 9	90°	DATE STAF	RTED 17/04/201	5 GRID DATUM M	GA94 Z5	6
JOB N	0	-	201,	416/003	}	HEIGHT DATUM	AHD	BEA	RING_		DATE COMPL	ETED 21/04/201	5 DRILLER NO	orth Coas	st
DEPTH (m)	R.L. (m)	AUGER	WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DE	SCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH 표天 <sub>エ</sub> 독 <sub>ー</sub> , 국립			ADDITIONAL DATA AND TEST RESULTS		SAMPLES
	2.04					Silty CLAY (Fill) Pale brown, dry to Medium plasticity			(CI)						
- 1 					U100	Silty CLAY (Alluviu Grey mottled orar moist, very stiff. High plasticity.			-			1.55m: PP 250kPa			U1
Г	1			1		1		$\vdash$	1000	-	T .				

DITIONAL DATA AND EST RESULTS SAMPLES TESTS U100 (CH) 2 ------3 0.24 Clayey SAND (Alluvium) Â 20/04/2015 4, 6, 6 N=12 Grey mottled brown, moist, SPT А medium dense. 4 3, 3, 4 N=7 Becomes loose. В SPT - 5 5.50m: Minor Water Loss. 6, 8, 12 6 Becomes medium dense. N=20 С SPT \_\_\_\_\_ (SC) 7 -8, 11, 12 N=23 D SPT 8 Becomes Gravelly Sand. 12, 5, 4 N=9 9 Е SPT 4 6.96 Continued on next sheet REMARKS: Tod - Darra formation. LOGGED BY **REVIEWED BY** MS SF TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

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FIN	IAL	25	/06,	/20	15

													FINAL 2	5/06/2015
	. NA	ie.						GE	OTECHNICA	4L	ſ	BOREHOLE No	BI	1235
		Ð	Que	er	Island			BC	REHOLE LO	G		Sheet	2 of 3	
	B		Gov	er	nment		svi		GEOTECHNICAL TERMS AN REFER FORM F:GEOT 017/			REFERENCE No	H1	2169
PROJE	~ <b>T</b>	Inswi	ch Moto	rwav	 Upgrade - Rocklea to Darr					,				
LOCAT					ov Bridge	u						coordinates 498780.3	E: 695097	75.6 N
PROJE		FG62		vern	SURFACE RL 3.04m		DU	INGE S	۱۵°		 ED 17/04/2015			
			416/003		HEIGHT DATUM AHD			RING °			ED 21/04/201		North Coa	
JOB No	)		+10/005				BEAI	-						
DEPTH (m)	R.L. (m)	CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTIC	DN	ГІТНОГОСҮ	USCS WEATHERING	INTACT DE STRENGTH SP 표근구구, 그 구 교 입유, 이	EFECT PACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
_	-7.26				Clayey SAND (Alluvium)			(SC)						
-	-1.20				(Contd') Silty CLAY (Residual)	/	×						6, 8, 11	-
-				F	Pale brown to pale grey r brown, moist, very stiff.	nottled	×_	-					N=19	SPT
- 11					Low to medium plasticity	<i>.</i>	×_							-
-							×	-						-
Ē							×							-
- 12							×_	-	+				5, 7, 10	_
-				G									N=17	SPT
-							×_	(CI)						-
- 13							×_							-
-							×_	-						-
-													6, 10, 17 N=27	-
-				Н			×	-						SPT
14							×							-
_							×_	-						-
-	-11.96						×_ 							-
15 	-11.50			I	SILTSTONE (Tod)		× × × ×					9	, 17, 11/70 hb	SPT
-					XW: Recovered as grey b moist, hard, Silty Clay.	rown,	× × × × × ×							-
-					Medium plasticity.		× × × × × ×							
- - 16							× × × × × ×		+					-
_							× × × × × ×					10	20. 21/105	-
				J			× × × × × ×					12,	20, 21/105 hb	SPT
17							× × × × × × × ×							
							***							-
-							* * * * * *	xw						-
- - - 18							× × × × × ×		+				14, 23	-
-				К			* * * *						hb	SPT
_							× × × ×							-
- - - 19							× × × × × ×							-
							× × × × ×							-
-				L			× × × × × ×						12, 19 hb	SPT
-	-16.96						****							
					Continued on next she	et								
RE	MARK	IS: T	od - Da	arra 1	formation.							LOGGED BY		WED BY
						TAID	FOTCO		DREHOLE LOG - CREATED WITH HOLE	ERACE CI		MS		SF
						i MK G	CUTEC	INICAL B	UNCHOLE LOG - CREATED WITH HOLE	LONOE OF				

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<b>Queensland</b> Government
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## GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 FINAL 25/06/2015

BH235

Sheet 3 of 3

BOREHOLE No

REFERENCE No

H12169

PROJE	ст.		nsw	ich Moto	rwav	Upgrade - Rocklea to Darra								
		-				ow Bridge						COORDINATES 498780.3		
LOCAT		_	G62		vern	-	PIII	INGE S	90°	DATE STAR	 RTED 17/04/2015	GRID DATUM N		
JOB N						RING °			TED 21/04/2015		lorth Coa			
10 P N	)				DEAI	_		DATE COMPLE				51		
DEPTH (m)	R.L. (m)	AUGER CASING	WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE		ГІТНОГОGY	USCS WEATHERING	INTACT STRENGTH 표 <sub>.</sub>			ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
21	<u>-17.96</u>	-			M	SILTSTONE (Tod) XW: (Contd') SANDSTONE (Tod) XW: Recovered as grey, moist, very dense Clayey Sand. Fine grained. Low to medium plasticity clay fraction.	***************************************	xw		· · · · · ·			22, HB hb	
- 22 - 22 	-19.76				N		••••	xw						SPT
- 23 - 23 				(0)		SILTSTONE (Tod) XW: Recovered as grey brown, moist, hard, Silty Clay. High plasticity. Occasional Sandy Clay bands <250mm.	<pre></pre>			-		UCS=	=1.29 MPa	 (23.33m) 
- 24 - 24 				(0)		Trace Sand.	× × × × × × × × × × × × × × × × × × ×	xw	-	-				
  26  				(0) <u>100</u> (0)			*****************		- L C -	-	25.30m-25.60m: San 26.20m: J, 45*, Pl/Sn 26.46m: J, 45*, Pl/Sn	UCS= 1, TI, Cn.	€0.92 MPa	(25.80m) - - - - - - - - - - - - - - - - - - -
27	<u>-23.86</u>			100 (0) 100 (0)		SANDSTONE (Tod) XW: Recovered as pale grey brown, moist, very dense, Clayey Sand. Fine grained.	××× • • • • • • • • • • • • • • • • • •	xw		-	26.85m: J, 60*, Pl/Sn 27.55m: J, 50*, Pl/Sn			
29 29 	-25.76			100		Borehole completed at 28.80m	* *			- 				
R	MAR	K۷	. 7	Fod - Da	arra	formation.						LOGGED BY	DEV/IF	WED BY
1.1												MS		SF

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

## CORE PHOTO LOG F: GEOT043/3 DEPARTMENT OF TRANSPORT AND MAIN ROADS Geotechnical Section



Project Name	Ipswich Motorway Upgrade – Rocklea	a to Darra	
Project No.	FG6202	Date Completed	21/04/2015
Borehole No.	BH235	Reference Number	H12169
Location	36903.9 E; 151845.1 N	Start Depth (m)	22.8
Submitted By	DP	Finish Depth (m)	28.8
Remarks	-		
28.05 ZFS 1555 2			MANER MINE SB.B B B B B B B B B B B B B B B B B B
0 100	200 300 400	500 600	700
	SCALE (mm)		

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