COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the <u>Creative Commons Attribution 4.0 Licence</u> (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

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

GEOTECHNICAL BOREHOLE LOG

FINAL 26/06/2015

BOREHOLE No BH225

Sheet 1 of 4

		Government					SYI		GEOTECHNICAL TEF			REFERENCE No	H1	12161
PROJEC	CT	Ipsv	Ipswich Motorway Upgrade - Rocklea to Darra											
_OCATI	ION	Oxle	ey Creek C	Overfl	ow Bridge							COORDINATES 498734.8 E; 6950983.4 N		
PROJECT No		FG6	5202		SURFACE RL	1.91m	plunge 90° date starte			— _D 14/05/201	15 GRID DATUM MGA94 Z56			
OB No		201	/416/003		HEIGHT DATUM AHD		BEARING °			DATE COMPLETE				st
DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD ()% CORE REC%	SAMPLE	MATERIAL DE	ESCRIPTION	LITHOLOGY	USCS	INTACT STRENGTH 프	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
-	1.21	-			GRAVEL & COBBL Silty CLAY (Alluviu	um)	×_							- - - - - - -
- 1				A	Grey dark grey, m to soft. soft to fi High plasticity.		×_ ×_ ×_	(CH)					hw, hw, 2 N=2	SPT
_ 2	-0.59	_			Silty SAND (Alluvi	ium)	× × ×							
- 3				В	Grey, moist, very Fine to medium g	loose to loose.	X X X X			_			5, 2, 2 N=4	SPT
- 4 - - 5				С	Becoming mediu	um dense.	*						10, 12, 13 N=25	SPT
- 6				D			X	(SM)					6, 8, 10 N=18	SPT
- 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7				Е	Becoming Claye	y Sand.	× × × × × × × × × × × × × × × × × × ×						8, 10, 6 N=16	SPT
- - - 9	-7.19				Trace gravel & c		× × × × × ×			- - - - -			3, 6, 10 N=16	- - - - - - - -
-	-8.09			F	Silty CLAY (Residu Yellow grey, mois High plasticity, tra	et, very stiff. ace fine sand.	×_ ×_ ×_	(CH)					14-10	SPT
Continued on next sheet REMARKS: Tod - Darra formation. LOGGED BY REVIEWED BY														
KE	IVIAF	.K2:	iou - Da	arra '	iormation.								LOGGED BY REVIEWED E	
												JL/DC		SF

GEOTECHNICAL BOREHOLE LOG

FINAL 26/06/2015

BOREHOLE No BH225

Sheet 2 of 4

		Gov	/er	nment		FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014					REFERENCE No		12161
PROJECT	lpsw	ich Moto	rway	Upgrade - Rocklea									
LOCATION	Oxle	y Creek C	Overflo	ow Bridge							COORDINATES 498734.8	E; 695098	83.4 N
PROJECT No	FG62	202		SURFACE RI	1.91m	plunge 90°			DATE START	— гер 14/05/201	4/05/2015 GRID DATUM MGA94 2		66
JOB No	201/	416/003		HEIGHT DATUM AHD		BEARING °				TED 15/05/201		North Coa	st
DEPTH (m)	AUGER CASING WASH BORING CORE DRILLING	RQD ()% U U U U U U U U U U U U U U U U U U U				ГІТНОГОСУ	USCS WEATHERING	INTACT STRENGTH 표구구구리	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- - - - -				Silty CLAY (Residual) (Contd')		×		#	‡		4, 8, 1		=
- - - - 11			G					#	- - - -			N=22	SPT
- - - - -							(CH)	#	- - - - -				- - - -
- - 12 - - -			Н			×			- - - - -			7, 12, 15 N=27	SPT
-11.09	-			SILTSTONE (Tod)		×_ ×_ ×_ × ×			- - - - -				- - - -
- - - - - - - - - 14				XW: Recovered a moist, hard, Silty High plasticity.		* * * * * * * * * * * * * * * * * * *			- - - - -			8, 14, 22 N=36	SPT
- 15						× × × × × × × × × × × × × × × × × × ×			-			10, 19, 26 N=45	-
- 16			K			× × × × × × × × × × × × × × × × × × ×			-			17 40	SPT
			L	Colour changed	to grey.	X X X X X X X X X X X X X X X X X X X	xw		-		14, 24,	, 30/90mm	SPT
- 18			M			X X X X X X X X X X X X X X X X X X X			-			9, 14, 19 N=33	SPT
- - - - - - - 19						× × × × × × × × × × × × × × × × × × ×			- - - - - - - -				- - - - -
			N			× × × × × × × × × × × × × × × × × × ×			- - - - - -			10, 18, 24 N=42	SPT
Continued on next sheet													
REMAR	KS: T	Tod - Da	arra 1	formation.							LOGGED BY	REVIE	WED BY
											JL/DC		SF

GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 FINAL 26/06/2015

BH225 BOREHOLE No

Sheet 3 of 4

H12161 REFERENCE No

Ipswich Motorway Upgrade - Rocklea to Darra PROJECT Oxley Creek Overflow Bridge COORDINATES 498734.8 E; 6950983.4 N LOCATION FG6202 PLUNGE 90° DATE STARTED 14/05/2015 GRID DATUM MGA94 Z56 SURFACE RL 1.91m PROJECT No 201/416/003 DRILLER North Coast HEIGHT DATUM AHD DATE COMPLETED 15/05/2015 JOB No BEARING USCS WEATHERING ADDITIONAL DATA AND TEST RESULTS INTACT DEFECT SPACING SAMPLES TESTS LITHOLOGY SAMPLE STRENGTH DEPTH (RΙ MATERIAL DESCRIPTION (m) CORE REC % ᇁᆂᆂᆋᅴᅿᆿᆸᇛᇬᄓᄫᇂᇂᇕ SILTSTONE (Tod) XW: (Contd') 20, 29, 30/130mm Р SPT 22 13, 22, 30/80mm Q 23 xwRecovered as Sandy Clay. Low 30/80mm SPT R 25 30/90mm SPT S 26 -24.59 (0) SILTSTONE (Tod) Is(50)=0.04 MPa Is(50)=0.12 MPa D (26.67m)-XW: Recovered as: Dark grey A (26.71m) brown, moist, hard, silty CLAY. 27 Is(50)=0.04 MPa Is(50)=0.08 MPa D (27.24m) A (27.31m) Is(50)=0.08 MPa Is(50)=0.13 MPa D (27.90m) A (27.95m)_ XW Is(50)=0.08 MPa Is(50)=0.13 MPa D (28.60m) A (28.65m) ÚCS=1.01 MPa (28.80m)_ Is(50)=0.10 MPa Is(50)=0.08 MPa D (29.11m) A (29.15m)-100 (0) Is(50)=0.12 MPa Is(50)=0.05 MPa A (29.80m) 29.80m-29.87m: HW Zone Continued on next sheet REMARKS: Tod - Darra formation. **LOGGED BY REVIEWED BY** JL/DC SF TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

GEOTECHNICAL BOREHOLE LOG

FINAL 26/06/2015

BH225

Sheet 4 of 4

BOREHOLE No

		% ,		Gov	en	nment	SY		GEOTECHNICAL TE REFER FORM F:GE			REFERENCE No	H	12161
PROJE	ст	Į,	oswi	ch Moto	rway	Upgrade - Rocklea to Darra								
_OCAT	ION	C	xley	/ Creek C)verfl	ow Bridge						coordinates 498734.8 E; 6950983.4 N		
PROJECT No		F	FG6202			SURFACE RL 1.91m		JNGE S	90°	DATE START	ED 14/05/2015	GRID DATUM N	1GA94 Z5	6
IOB No		2	201/416/003			HEIGHT DATUM AHD		BEARING		DATE COMPLET	ED 15/05/2015	DRILLER North Coast		st
DEPTH (m)	R.L. (m)	AUGER	WASH BORING CORE DRILLING	RQD ()% CORE REC%	MATERIAL DESCRIPT		LITHOLOGY	USCS WEATHERING	INTACT STRENGTH 플루고, 독, 그 > 교	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
						SILTSTONE (Tod) XW: (Cont'd)	× × × × × × ×	xw				UCS=	0.63 MPa	(30.10m) –
-	-28.65			100			× × × ×	AVV		_		Is(50)= Is(50)=	0.19 MPa 0.25 MPa	D (30.40m) A (30.44m)
						Borehole completed at 30.56m			=	_				
- 31										_				_
-									=	_				=
									=	-				=
- 32									_	- -				=
								=	_				=	
-									=	_				=
- 33									_	<u>-</u>				=
									- - -					
-									_	- - -				-
— 34									=	-				=
										_				_
								=	_				=	
									=	-				=
- 35									_	_				=
									=	-				=
-									=	_				_
- 36									_	_				=
									=	-				=
-										- - -				=
									=	-				=
— 37										_				_
-									=	- - -				=
									=	- - -				=
- 38									_	<u> </u>				=
									=	_				=
-														
- 39									=					4
									=					=
-									=					=
REMARKS: Tod - Darra formation.									LOGGED BY	LOGGED BY REVIEWED				
												JL/DC	SF	





Page 1 of 1