FINAL 08/09/2017

Queensland Government

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH2**

Sheet 1 of 2

REFERENCE No **H1286**

PROJECT Valentine Creek Bridge Geotechnical Investigation

LOCATION Abut A, RHS — COORDINATES 214385.2 E; 7391798.7 N

PROJECT No FG6483 — SURFACE RL 94.97m — PLUNGE 90° — DATE STARTED 12/06/2017 — GRID DATUM MGA 94

JOB No 02790/16A/001 — HEIGHT DATUM AHD — BEARING ° — DATE COMPLETED 12/06/2017 — DRILLER Schneider

DEPTH (m)	R.L. (m)	RQD ( ) % / CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USCS WEATHERING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
	94.27			PAVEMENT (Fill)			
1			A	Clayey SAND (Alluvium) Dark brown, dry-moist, dense. Fine to medium grained sand, low plasticity fines.	(SC)	12, 15, 18 N=33	SPT
2			B	Becoming very dense.		12, 29, 30/120 LL=23% PI= 42% LS= 2% <75µm= 32%	SPT
	92.17						
3			C	Sandy CLAY (Alluvium) Dark brown, moist, stiff. Medium plasticity, trace sand & organics.	(CI)	6, 5, 5 N=10	SPT
	91.07						
4			D	Sandy CLAY (Alluvium) Brown, moist, very stiff. Low to medium plasticity, fine grained sand.	(CI)	6, 16, 13 N=29	SPT
	90.37						
5			E	Clayey GRAVEL with cobbles (Alluvium) Brown & black, moist-wet, medium dense. Medium to coarse grained gravel, trace clay & sand.	(GC)	14, 13, 16 N=29	SPT
	89.07						
6			F	Clayey SAND (Alluvium) Brown, moist, medium dense. Medium grained sand, low plasticity fines, trace gravel.	(SC)	16, 9, 7 N=16	SPT
	88.37						
7			G	BASALT (Kb) HW: Brown, fine grained, massive, very low strength.	HW	27, 30/140	SPT
8			H			22, 30/70	SPT
9			J			30/80	SPT
	85.77	(63) 100 (100)		BASALT (Kb) SW: Dark grey, fine grained, massive, very high strength. (See overleaf)	SW	Is(50)=8.90 MPa Is(50)=6.80 MPa	D (9.50m) A (9.65m)
	84.97						

CM

Continued on next sheet

REMARKS: Kb - Cretaceous aged Basalt (Unnamed).

LOGGED BY	REVIEWED BY
M Ensor	S Foley

FINAL 08/09/2017

Queensland Government

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH2**

Sheet 2 of 2

REFERENCE No **H1286**

PROJECT Valentine Creek Bridge Geotechnical Investigation

LOCATION Abut A, RHS

COORDINATES 214385.2 E; 7391798.7 N

PROJECT No FG6483 | SURFACE RL 94.97m | PLUNGE 90° | DATE STARTED 12/06/2017 | GRID DATUM MGA 94

JOB No 02790/16A/001 | HEIGHT DATUM AHD | BEARING ° | DATE COMPLETED 12/06/2017 | DRILLER Schneider

DEPTH (m)	R.L. (m)	RQD ( ) % / CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH (EH VH H M L VL EL)	DEFECT SPACING (EC VC C M W VW EW)	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
11		100 (100)		BASALT (Kb) SW: (Cont'd) - J: 5°-20° (1/m), Pl-Stp/Ro, OP, some FeSt		SW	VH	M / W	UCS=186.00 MPa Is(50)=6.40 MPa Is(50)=3.70 MPa	(10.05m) D (10.17m) A (10.28m)
11									Is(50)=7.90 MPa Is(50)=7.70 MPa	D (11.18m) A (11.30m)
12		100 (100)							Is(50)=7.20 MPa Is(50)=2.10 MPa	D (11.81m) A (11.93m)
13	81.47	100		Borehole completed at 13.50m				M	UCS=153.00 MPa Is(50)=5.00 MPa Is(50)=8.10 MPa	(12.65m) A (12.75m) D (12.81m)
14										
15										
16										
17										
18										
19										

REMARKS: Kb - Cretaceous aged Basalt (Unnamed).

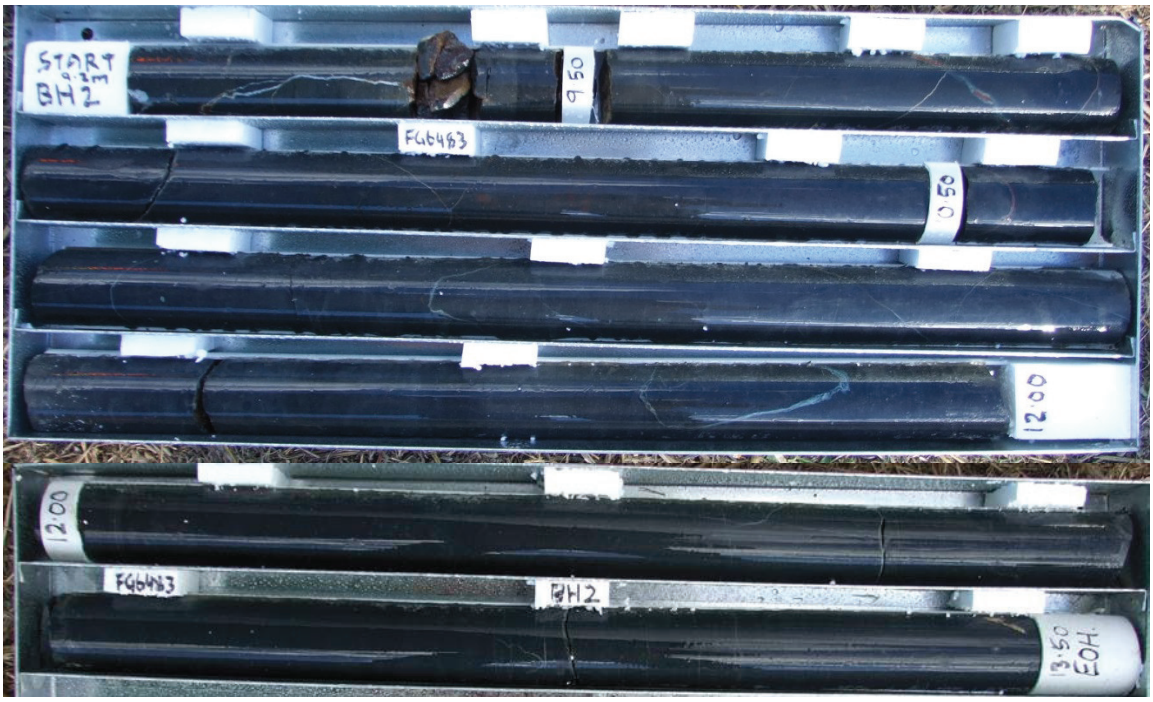
LOGGED BY	REVIEWED BY
M Ensor	S Foley

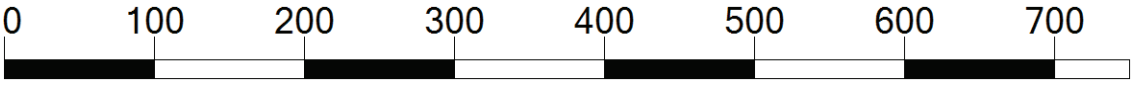
TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

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

Queensland Government

Project Name	**Valentine Creek Bridge Project (Capricorn Highway 16A)**		
Project No.	FG6483	Date Completed	12/06/17
Borehole No.	BH2	Reference Number	H12865
Location	Abut A, RHS	Start Depth (m)	9.20
Submitted By	Matthew Ensor	Finish Depth (m)	13.50
Remarks			





SCALE (mm)