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ENGINEERING BOREHOLE LOG

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FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/3-2005	1

BOREHOLE No	<u>BH3</u>		
SHEET	_ <u>1_</u> of _ <u>1</u> _		
REFERENCE No	<u>H10295</u>		

S.Rea

PROJECT Oaky Creek Bridge Foundation Investigation - Texas COORDINATES 320802.1 E; 6813996.7 N LOCATION _Pier_2 __ PROJECT No _FG5573 _ _ _ _ SURFACE R.L. _ 290.48_ DATE STARTED _21/04/08 GRID DATUM _GDA94_ JOB No DATE COMPLETED _21/04/08 50-002989 HEIGHT DATUM _AHD __ BEARING _ _ _ _ DRILLER R&D Drilling P/L ___ DEFECT R.L. ROD INTACT ADDITIONAL DATA Щų STRENGTH SPACING (m) ()% 8 THERING OEPTH (m) MATERIAL (mm) ORIL AND GRAPHIC SAMPLES DESCRIPTION TESTS 190.48 290.48 290.48 SAMPL CORE ରଛଛିଛିଛି ⋬⋤≩⋷⋗⋼ঽҵ TEST RESULTS ŝ REC % 0 1 1 1 1 Clayey Sandy GRAVEL (ALLUVIUM) Brown with pale and dark grey mottles, moist, medium dense Gravel is fine to medium grained; sand is fine to coarse grained and poorly sorted. (GW 1,3,14 SPT N=17 288.48 2 MUDSTONE (CHERTIFIED) FINE-GRAINED SEDIMENTARY ROCK COMPOSED CHIEFLY OF CLAY-SILT SIZED 45/30 501 PARTICLES. N>50 HW: Abruptly changes to grey, very low to low strength sandy gravel. нw 25/30 N>50 286.38 No recoverv (70) SW: Dark grey, very fine grained, mostly massive with minor wavy laminae, mostly high to very high strength. MRD_LIB_V1.2.GLB_15/08/08 Heavily chertified (see remarks). Contains very thin (<2mm) guartz veins throughout. Defects include joints and handling fractures. SW ls(50)=1.52 MPa 100 0 Joints @ 10° (1-2/m) Joints @ 30-35° (2-3/m) Joints @ 70° (1-2/m) Is(50)=1.24 MPa (78)The joints are mostly planar to undulating, rough, closed with ironstaining, sulphide CREEK TEXAS.GPJ Is(50)=3.06 MPa coating or clean. х 283.38 100 Borehole terminated at 7.1m FG5573 - OAKY ENGINEERING BOREHOLE LOG - 9 LOGGED BY REMARKS Drilling supervision conducted by M.Dumesny. Chertification - Silicification by microcrystalline or

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cryptocrystalline quartz.

Project: Oakey Creek Bridge Texas Borehole No: BH 3 Start Depth: 4.10

Start Depth:4.10Finish Depth:7.10Project No:FG5573H No:10295







Point Load Strength Index - Test Report

Project: Oaky Creek Bridge Texas Project No: FG5573

> Date Sampled 21/04/08 Feature: N/A Sample Type: NMLC Core

Date Tested 29/05/08

Report No. FG5573/GS08-333/AS4133.4.1

Sample	Sample	Depth	Test Type	ls	ls50	Strength	Lithology
Number	Location	(m)	D,A,B,I*	(MPa)	(MPa)	Descriptor*	
GS08/333.A	BH 3	5.60	A	1.49	1.52	H	Mudstone
GS08/333.B	BH 3	5.70	D	1.26	1.24	H	Mudstone
GS08/333.C	BH 3	6.60	D	3.12	3.06	VH	Mudstone

Page 1 of 1

Sample Remarks

GS08/333.A- Note 1 GS08/333.B- Note 1 GS08/333.C- Note 1

* D - Diametral; A - Axial; B - Block; I - Irregular:

** EL - Extremely Low: VL - Very Low: L - Low: M - Medium: H - High; VH - Very High; EH - Extremely High (taken from AS1726 Table 8A)

Remarks / Variations to Test Procedures:

Software Version 2.09 Beta July 2007

Note 1: Failure along existing shear plane

Client Name: Department of Main Roads Client Address: PO Box 70, Spring Hill QLD 4004

Significant Equipment - gs33

Signatory

(Peter Reynolds)



Test Method: AS4133.4.1

Accreditation Number: 2302 Accredited for compliance with ISO/IEC 17025

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