6 cms

2842
(69)

Rev'd

46'

3374' W Abut. | 3234' Pier N°1 | 3094' N°2 | 2954' N°3 | 2814' N°4 | 2674' N°5 | 2534' N°6 | 2394' N°7 | 2254' N°8 | 2114' N°9 | 1974' N°10 | 1834' N°11 | 1694' N°12 | 1554' N°13 | 1392' N°14 | 1152' N°15 | 990' N°16 | 850' N°17 | 710' N°18 | 570' N°19 | 430' N°20 | 290' N°21 | 150' Pier N°22

State Datum (M.W.L. R.L.00·00)

Approx. River Bed by Echo Soundings. 11D/B-6B.

Probable Bedrock indicated from Seismic Survey 1957 (G 2867)

SECTION ON ℄ - SCHEME 'D' 1957

100 ft. to an inch.

197'-0" | 310'-0" | 197'-0"

Navig. Horiz. Clearance 'Span' - 1350 Aperture

State Datum (M.W.L. - R.L.00·00)

Borehole N°5, Ch. 3174, 25'¼ of ℄
Borehole N°6, Ch. 3374, 25'·5 of ℄
Borehole N°7, Ch. 3340', 6' upstream W. of Pier N°1.

Silty sand & shells. -15·0 / -16·0
Probably similar to jointed rock on W. Abut.
-17·0 Silty sand & shells.
-23·0 Dolerite
-26·4 Silty sand & shells. Yellow clay with blue pockets.
-28·7 Dolerite
-31·1 Broken Dolerite
-33·0 Sample N°3
-34·6 Dolerite
-46·0

Probable Bedrock indicated from Seismic Survey

Data from Eastern Cliff (Approx 400' N. of ℄ Span Pier. 11D/4-A.)

Borehole N°8, Ch. 3534', Pier N°6

Borehole N°9, Ch. 3394', Pier N°7.

Borehole N°10, Ch. 3254', Pier N°8.

Borehole N°11, Ch. 3114', 5' upstream E. of Borehole 2a & Pier N°9

Borehole N°12, Ch. 2990', 16' upstream W. of Borehole 1 & Pier N°10

Borehole N°13, Ch. 2854', Pier N°11

Borehole N°14, Ch. 2690', Pier N°12

Borehole N°15, Ch. 2552', Pier N°13

Borehole N°16, Ch. 2392', Pier N°14

Borehole N°17, Ch. 2255', 5' E. of Pier N°15 (See separate detail for other bores)

Borehole N°18, Ch. 2110', Pier N°16

Borehole N°19, Ch. 1980', Pier N°17

Borehole N°20, Ch. 1850', Pier N°18

Borehole N°21, Ch. 1710', Pier N°19

Borehole N°22, Ch. 1570', Pier N°20.

Borehole N°23, Ch. 1430', Pier N°21.

Borehole N°24, Ch. 1290', Pier N°22.

00 | -10 | -30 | -40 | -46·0 | -50 | -57·5 W.L. | -60 | -70 | -80 | -90 | -100 | -110 | -120 | -130 | -140 | -150 | -160 | -170

10' | 20' | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130'

Approx 400' N. of ℄

-19·05 | -65·1' | -65·5 | -67·0 | -60·0'

Approx River Bed by Echo Soundings 11D/B-6B

Lead Line

-89·80 | -94·74 | -94·25 | -90·25 | -36·60' | -53·60' | -123·16

Scale 400 | 2600 | 3000 | 3200 | 3400 | 2400 | 2000 | 1800 | 1600 | 1200 | 800 | 600 | 400

Drilled 2000 - 8/6/1957 | 2200 | 1800 | 1400 | 1000 | 600

Diamond Drilled

N.T.S.

LEGEND [C.E. Code of Pract. N°1 (1950)]

Silt = S	Silty = Sy.	
Sand = Sd.	Sandy = Sdy.	
Gravel = G	Shingle = Shin.	
Shells = Sh.	Yellow = Y.	
Stones = Stn.	Brown = Br.	
Clay = C	Green = Gr.	
Basalt = B	Black = Blk.	
Dolerite = D	Weathered = W.	
	Hard = H.	
	Very Hard = V.H.	
	Water Warn. = W.W.	
	Layers = L.	
	Running = R.	
	Friable = Fr.	
	Fine, Firm = F.	
	Medium = M.	
	Coarse = Co.	
	Stiff = St.	
	Boulders = Bo.	

V. soft to soft dark Br. S. with Sh. & org. matter.

Y. grey Sdy. C.

Y. C. Sd.

C. Sd. with bands of grey mottled Y.C. Co. G. & Sd M. Sd

V.H. F. to Co. G & Sd

G & C.

St. Y. grey mottled Br. C.

St. grey Sdy. C.

V. St. dark grey C.

H. St. grey C. with rod streaks. Red increases with depth.

V. St. mottled Blue-Br. C.

Dark Grey C. with Shell St. to R.L. -184·75

S. & Sh. (H2S smell) with small amount of Co. Wash with depth. Grey Br. mott. C.

Y. Br. Sdy. C.

Whitish grey C. & Sh.

Sd. & G.

Sdy. grey C. mott. with Br.

Fine Y. Sd.

Grey Br. Sdy. C.

Stiff grey Br. Sdy. C.

Fine Y. Sd.

Stiff blue grey C. S.

S. (with noticeable H2S. smell)

Fine Sd. & Sh. frag.

Br. Sy. C.

Br. Sy. C. changing to F. to Co. G. & Sd.

Fine to Co. G. & Sd.

Fine Y. grey Sd.

Dark grey Sy. Sd. & Sh.

Y. grey Sy. Sd.

Grey Br. C. with some small Sh.

Fine to M. Yr. Sd.

M. to Co. grey Sd.

Firm grey Sy. Sdy. C.

Co. grey Sd. & Sh. & wood

St. dark grey Sy. C.

Light Bl. grey Sy. C. & Sd. (more Sd. with depth)

Grey Sdy. C.

Grey Sy. Sd.

Sy. Y. grey Sd. corn. fragments.

Fine Y. grey Sd.

Grey Br. C. with some small Sh.

Grey Br. mott. C. with some small Sh.

Grey Sy. Sd.

Co. grey Sd. & Sh. & wood

St. dark grey Sy. C.

Grey Sdy. C.

Grey Sy. Sd.

B. to R.L. -182·5 D. Drilled

B. to R.L. -184·75 D. D.

R. Sd. Grey C. R. Sd. No record

Y. Sdy. C. & Br. S. & C. & W.W. Sy. C.

Sd. C.L. Sdy. C. W.C. No record

V. Grey Sdy. C. H. Gr. Sdy. C. Shin.

B. to R.L. -180·5 D. Drilled

B. to R.L. -184·75 D. D.

W.W. Sty. S. R. Sd.

Sy. Sd. Sh.

Sy. Sd. Blue S. Sy. Sd.(?)

Y.C. Sdy. L.

W.W. Y. Sdy. C.

W.W. Grey Sdy. C.

Sdy. Y.C. Sd.

B. to R.L. -177·2 D. D.

B. to R.L. -177·2 D. D.

Approx River Bed by Echo Soundings 11D/B-6B

Lead Line

Very soft dark brown organic silt with occasional + very thin (¼ inch) bands of fine sand.

Very soft dark brown organic silt with fragments of shells and decaying wood

Very soft to soft dark brown organic silt with fragments of shells fragments of decaying wood -144 to -164·5

Very soft to soft dark brown silt with shell fragments and organic matter.

Very soft dark Br. S. with org. matter.

Firm grey, black org. Clayey S.

Firm mottled grey Br. Clayey S.

St. Y. grey Sdy. C.

St. mottled Br. Clayey S. with

Sdy. G.

St. Soft Bl. Sy. Shale

Co. grey Sdy. Sd. & B.

D. Bo. & Co. Sd.

Sd. & B. fragments

Grey Sd.

Bl. Grey Sdy. S.

Sd. Shin.

End of Percussion

M. to G. G.

F. to Co. G.

B. fragments

M. Sd. & G.

F. to Co. G.

'B' with occ. inclusions of B. fragments in matrix of M. Sd. Sdy. C.

Soft dark grey Sdy. S. with organic matter.

G.

Sd. & B. fragments

Grey Sd.

Bl. Gr. Sdy. S.

Sd. Shin.

End of Percussion

M. to G. G.

F. to Co. G.

B. fragments

M. Sd. & G.

F. to Co. G.

'B' with occ. inclusions of B. fragments in matrix of M. Sd. Sdy. C.

Soft dark grey Sdy. S. with organic matter.

G.

D. St. & Sy. C. lumps & Sh.

-180·1 to -186·7, B. & D. Bo. & Br. Sdy. C.

-186·7 to -194·0 V. broken grey D. & grey Sdy. C.

-194·0 to 202·0 M.S.D. (Bluestone)

Borehole N°17, Ch. 555', 5' E. of Pier N°19 (See separate detail for other bores)

Very soft dark Br. S. with org. matter.

Firm grey, black org. Clayey S.

Firm mottled grey Br. Clayey S.

St. Y. grey Sdy. C.

St. mottled Br. Clayey S. with

Sdy. G.

St. Soft Bl. Sy. Shale

Co. grey Sdy. Sd. & B.

D. Bo. & Co. Sd.

9' grey Sd.

D. St. & Sy. C. lumps & Sh.

-180·1 to -186·7, B. & D. Bo. & Br. Sdy. C.

-186·7 to -194·0 V. broken grey D. & grey Sdy. C.

-194·0 to 202·0 M.S.D. (Bluestone)

Borehole N°14, Ch. 290', Pier N°21.

-53·60'

Sh. S. & Sd.

Sdy. G.

S. D.

Approx. 400' (Data from Eastern Cliff) N. of ℄ Span Pier. 11D/4-A.

Pier N°1 | Pier N°2 | Pier N°3 | Pier N°4 | Pier N°5

Scl. & C.

H. Cem. G.

C. & Dec. D.

D.

S.

S. & Sh.

Scl. & C.

H. Cem. G.

C. & Dec. D.

D.

S.

NOTE:-
Lead Line Soundings are probably inaccurate due to River currents.

Reference Drawing 11D/B-11

Revised 11/3/59 & 20/3/59

DEPARTMENT OF PUBLIC WORKS - TAS.

TASMAN BRIDGE

DETAIL OF BOREHOLES 1958

Scales 1"·10 & 100'	Prepared	Checked	11D B-12
Drawing	N.W. Dec. 58		
Tracing			
Design			
Supervision			
Designs Engineer.		Chief Engineer	

SECTION ON ℄ OF SCHEME D

Scales (Horiz' = 100 ft / Vert'l = 10 ft) to an inch

2842-82