N

Reinforced earth retaining wall (by others)

D.O.H. R/W

COWICHAN RIVER

Existing truss relocated.

Reinforced earth retaining wall (by others)

D.O.H. R/W

No post barrier type B (by others)

Expansion joint

To Victoria

Lt. hd. traffic reflector

Rt. hd. traffic reflector

Existing sidewalk replaced by modified curb

℄ Highway N.00°00'45"E.

℄ Existing Highway

To Nanaimo

Filled joint

50'-0" Top of fill

45'-0" Top of fill

Curb & gutter by others

Curb & gutter by others.

No post barrier type A (by others)

Expansion joint

Filled joint

1½:1 Slope

1½:1 Slope

PLAN

△ 249'-11¼" ℄ of bearings

△ 1½"ϕ Anchor Bolts Mk.A 1'-1" projection

Truss Bearing

Truss Bearing

Tied Arch Bearing

Existing Highway

1"ϕ Bolts 7½" Projection

Bearing dowel holes (See Dwg 1289-27)

1½"ϕ Anchor Bolts Mk.B 5" projection △

1"ϕ Bolts 7½" projection

Bearing dowel holes (See Dwg. 1289-25)

Tied Arch Bearing

△ 249'-11¾" ℄ of bearings

℄ Bearings

℄ Bearings

ANCHOR BOLT LAYOUT

Not to Scale

△ 253'-4" Face to face of ballast walls.

Elev 60 50 40 30 20 10 0

Finished grade level.

Exp.

Fix

Fill

High water level Elev. 37.3

Approx. G.L. along ℄ Highway

South Abut.

North Abut.

0+50 1+00 1+50 2+00 2+50 3+00 3+50 4+00

SECTION A-A

Elev. of crown of roadway { Tied arch El. 49.39 / Existing span El. 49.22 (New Location)

℄ Existing roadway

20'-6" 20'-6"

℄ Roadway ℄ Roadway

40'-9" Out to out

7'-6" 30'-0" Rdy. 3'-3"

15'-0" 15'-0"

35'-7½" Out to out

3'-3" 23'-8" Rdy. 3'-3½"

14'-2" 11'-10" 11'-10"

SECTION B-B

5'-0" S.W. 30'-0" Rdy.

5'-6" Min. 23'-8" Rdy. 6'-0" S.W.

SECTION C-C

NOTES:

1. Design Specifications: AASHO-1974 for Tied Arch span
   : A.A.S.H.O. 1953 for existing truss
2. Loading : H S25 for Tied Arch span
   : H S20 for existing truss.

BRITISH COLUMBIA DEPARTMENT OF HIGHWAYS
BRIDGE DESIGN

NANAIMO DISTRICT
TRANS CANADA HIGHWAY

COWICHAN RIVER BRIDGE
GENERAL ARRANGEMENT

D			
C			
B			
A	As built	A.F.B.	R.Y.C. 80-1-30 80-2-4
	REVISIONS		

RECOMMENDED: Senior Bridge Design Engineer

SCALE: 1"=20'-0" AND AS NOTED

DRAWN RYC Nov 80 CHECKED

RECOMMENDED: Senior Bridge Engineer

APPROVED: Chief Highway Engineer

DRAWING No. 1289-24 A

CANCEL PRINTS BEARING EARLIER LETTER ▲