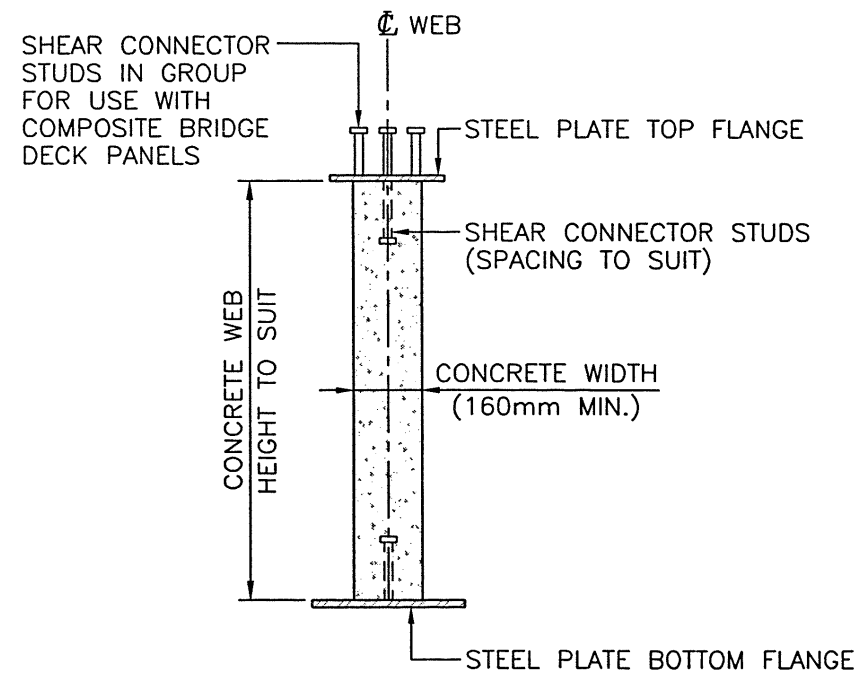


SECTION THROUGH BRIDGE
1:25

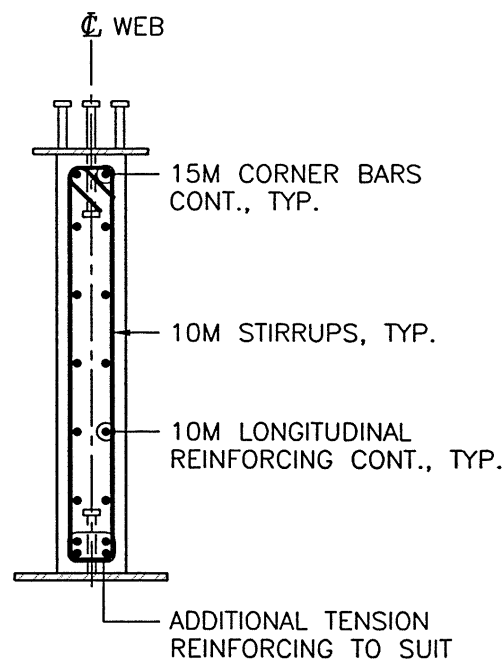
SPAN RANGE: 18m - 60m
GIRDERS CAN BE FIELD
SPLICED

ASSUME NOT TO SCALE



TYPICAL GIRDER SECTION
1:20

CANADIAN PATENT No. 2,023,198.
U.S. PATENT No. 5,152,112.



REINFORCEMENT DETAIL
1:20

NOTES

- LOADING AND SPAN TO SUIT APPLICATION.
- DESIGN: a) CAN/CSA-86-88 (MODIFIED).
b) OHBDC (SHEAR).
c) MoF BRIDGE DESIGN AND CONSTRUCTION MANUAL
d) LONGITUDINAL WEB REINFORCING IN ACCORDANCE WITH OHBDC AND UNIVERSITY OF BRITISH COLUMBIA (DEP. OF CIVIL ENGINEERING) REPORT "SERVICE LOAD CRACKING OF CONCRETE-STEEL HYBRID GIRDERS", 1997, EQUATION 12 WITH CRACK WIDTH AT SLS II <0.2mm
- TYPICAL DETAILS SHOWN. ACTUAL CROSS SECTION DETAILS MAY VARY TO SUIT APPLICATION.
- STEEL: CSA G40.21M GRADE 350AT CAT. 3 (PLATE)
GRADE 350A (SECTIONS)
- CONCRETE: CAN3 A23.1 EXPOSURE CLASS C1, f'c=35MPa(MIN.) @ 28 DAYS.
- REINFORCING: CSA G30.18M GRADE 400
- COMPOSITE GIRDER IS A PROPRIETARY SYSTEM. MANUFACTURE IS BY PIONEER PRECAST PRODUCTS LTD., CHILLIWACK, B.C. (604) 702 0630 OR UNDER LICENSE FROM SAME.

Province of British Columbia
MINISTRY OF FORESTS
RESOURCE TENURES and ENGINEERING BRANCH

STANDARD BRIDGE DRAWING

COMPOSITE GIRDER
(COMPO-GIRDER™)

ORIGINAL SIGNED and SEALED BY:
DAVID I. HARVEY
DESIGN ENGINEER
DATE: JULIEN HENLEY
MOF ENGINEER
DATE:

APPROVED BY:
[Signature] JUN 98
MOF ENGINEER

FILE No. DRAWING No.
STD-E-011-01

SCALE AS SHOWN		Designed J.H. Date APR. 98	Date APR. 98
		Checked D.H. Date APR. 98	Date APR. 98
		Drawn B.F. Date APR. 98	
Rev	Date	DESCRIPTION	INIT
REVISIONS			