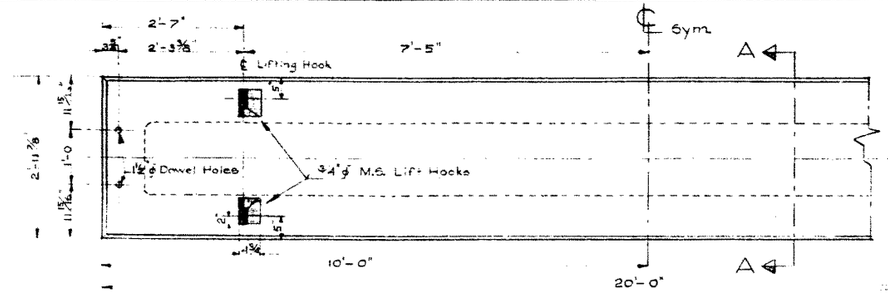
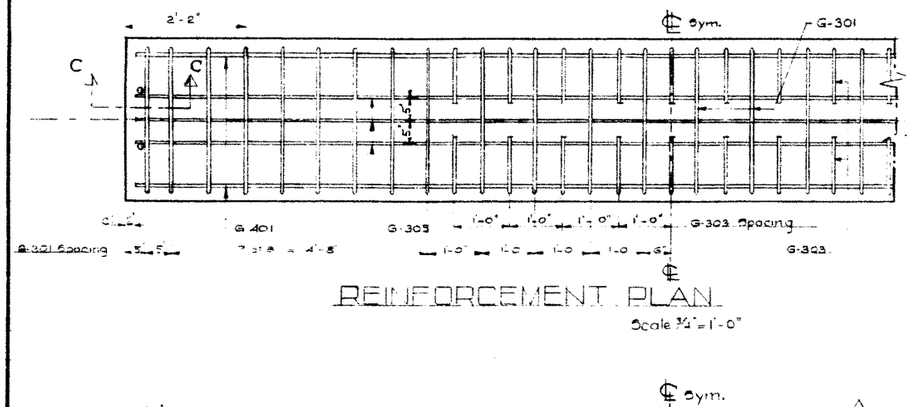


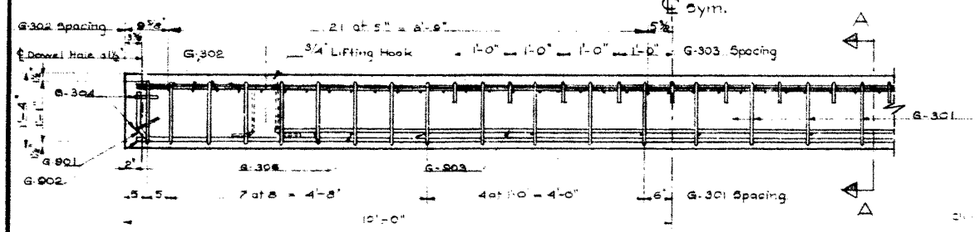
PLAN VIEW

Scale ¾"=1'-0"



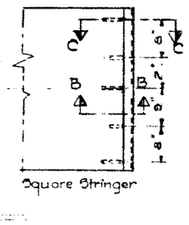
REINFORCEMENT PLAN

Scale ¾"=1'-0"

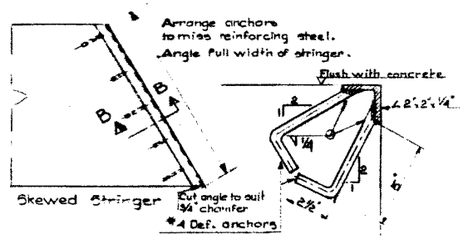


REINFORCEMENT ELEVATION

Scale ¾"=1'-0"



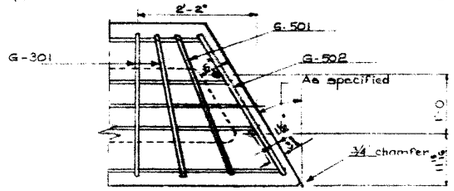
Square Stringer



Skewed Stringer

PROTECTION ANGLE

To be supplied when called for. Scale ¾"=1'-0"



All other details to conform to those shown for square stringer. On skew stringers the lifting hooks are to be placed 7'-5" from the midpoint of the unit.

SECTION B-B

Scale 3"=1'-0"

SKEW STRINGER

Scale ¾"=1'-0"

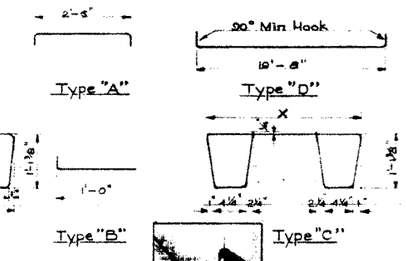
BAR LIST

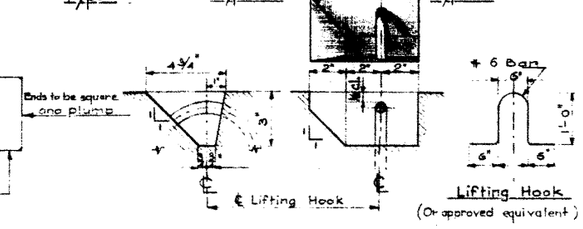
	MARK	SIZE	NUMBER	TYPE	X	LENGTH	WEIGHT
C	G 301	2	28	C.	2'-8"	8'- 0"	78 Lbs
	G 302	3	49	Str.		2'- 0"	34 "
	G 303	3	18	B		1'- 5"	10 "
	G 304	3	4	A		3'- 3"	5 "
	G 305	3	3	Str.		19'- 8"	22 "
	G 3 06	3	20	Str.		3"	3 "
*	G 501	5	2	C.			"
	G 401	4	2	Str		19'- 8"	26 "
*	G 502	5	2	E			"
	G 901	9	2	D		20'- 10"	142 "
	G 902	9	2	Str.		19'- 9"	134 "
	G 903	9	2	Str.		14'- 6"	98 "
						TOTAL	553 lbs

* For skewed stringer only.
C For skewed stringer, four less required.

BAR TYPES (N.T.S.)

All Bar dimensions are out to out.





STRINGER FINISHES

Scale ¾"=1'-0"

LIFTING HOOK POCKET

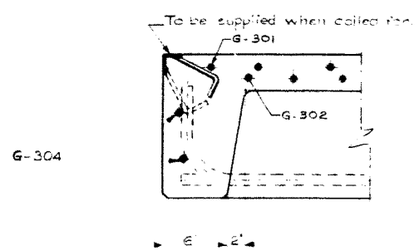
Scale 3"=1'-0"

GENERAL NOTES:

DESIGN.
AASHO. 1957 where applicable.
Loading H20-S16-44 + full dead load.

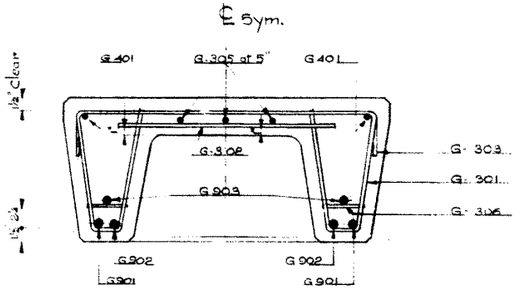
MATERIALS.
All concrete materials shall conform to ASTM. specifications.
Concrete shall be of standard weight aggregate with max.m size of ¾" Min. compressive strength shall be 4000 p.s.i at 28 days. Entrained air shall be not less than 5%.
Reinforcing steel shall be of intermediate grade conforming to the C.S.A. specification G30.1—1954 or G 30.8—1954 and deformed steel to conform to G 30.6—1954.

FABRICATION.
Concrete must reach 30% of the required 28 day Compressive strength before stripping and lifting.
Concrete must reach 65% of the required 28 day compressive strength before shipping..
Each girder shall have a poured camber of ½".
All acute corners on skewed girders to have ¾ chamfer.
Diameters of all bends shall conform to the recommended minimums, and all hooks, unless otherwise noted, shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.
Concrete test cylinders shall be tested by an independant testing laboratory, copies of all test results shall be forwarded to the Bridge Branch.
Tests shall be taken at the rate of one cylinder for each two stringers with not less than two cylinders for each days pouring



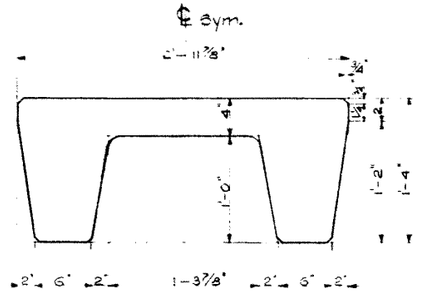
END SECTION C-C

Scale 1½"=1'-0"



SECTION A-A

Scale 1½"=1'-0"



SECTION A-A

Scale 1½"=1'-0"

DESIGNED BY ____ DATE ____
DETAILED BY Ph Davis DATE ____
CHECKED BY R.E. DATE ____

NO.	DATE	DESCRIPTION	BY
4			
3			
2			
1	July 7/1964	Entrained air note	B.M.

REVISIONS

SUPERSEDED

(1)

PRECAST CONCRETE 20FT. SPAN TYPE "GR" INTERIOR STRINGER

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS
BRIDGE BRANCH, EDMONTON

FILE NO. ____ HWY. NO. ____ DRGS. NO. S-742
LOCATION ____ SCALE AS SHOWN
STREAM ____ SHEET ____ OF ____