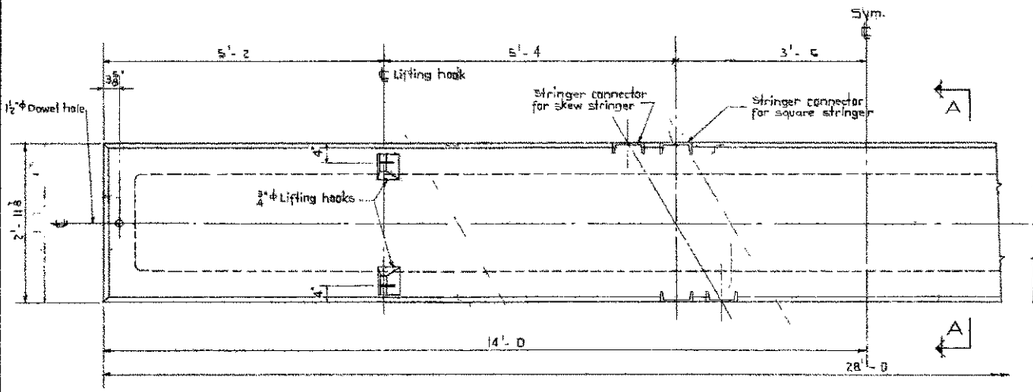
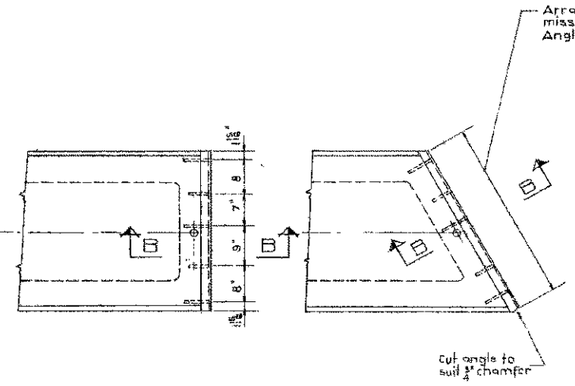
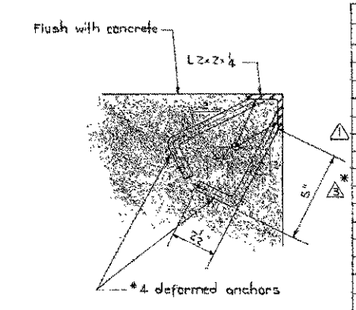


PLAN VIEW
Scale ¾"=1'-0



PROTECTION ANGLES
Scales ¾"=1'-0



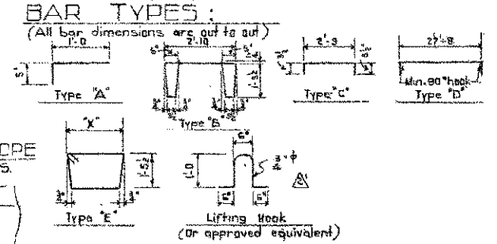
SECTION B—B
Scale ¾"=1'-0

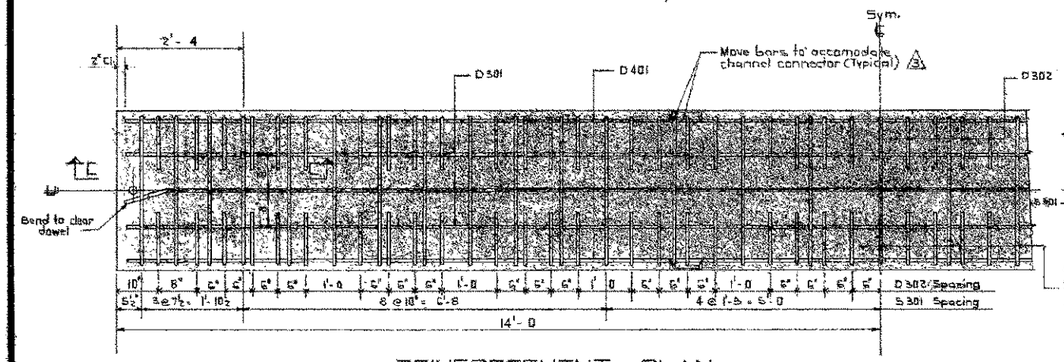
BAR LIST

MARK	SIZE	NO	TYPE	X	LENGTH	WEIGHT
D 301	3	5	Str.		27'- 6	34 #
D 302	3	86	A		1'- 5	47 #
S 301	3	31	B		9'- 4	109 #
D 401	4	2	Str.		27'- 8	37 #
D 501	5	28	Str.		2'- 8	78 #
G 801	8	2	Str.		24'- 0	128 #
G 901	9	2	Str.		27'- 6	187 #
G 902	9	2	D		28'- 11	197 #
S 302	3	2	E			5 #
E 301	3	4	C		3'- 4	5 #
D 303	3	27	Str.		2'- 8	27

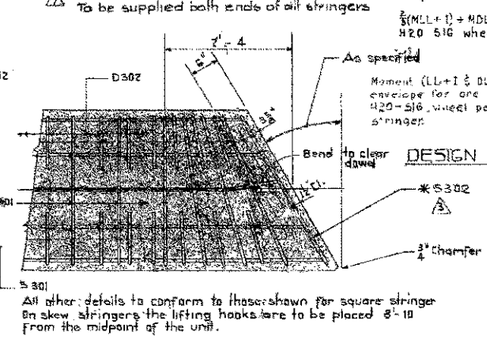
* For skewed stringer only. Total weight 8,865 #

BAR TYPES :
(All bar dimensions are out to out)





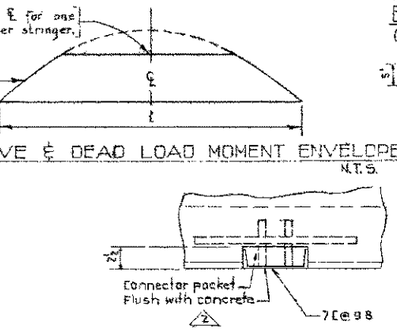
REINFORCEMENT PLAN
Scale ¾"=1'-0



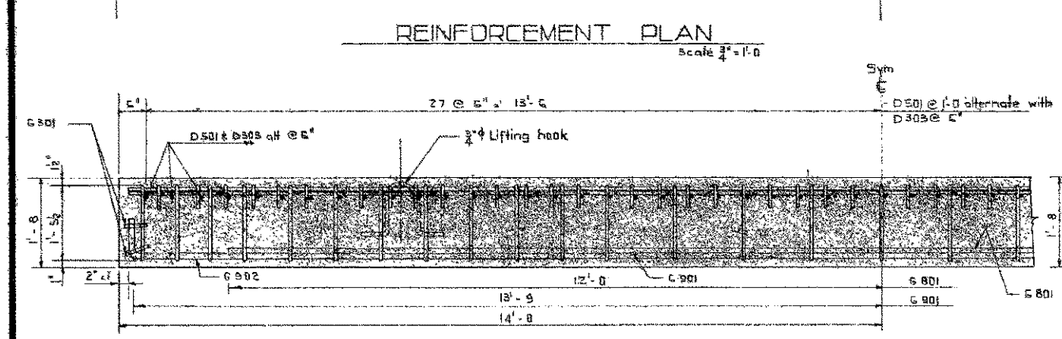
△ To be supplied both ends of all stringers

All other details to conform to those shown for square stringer
On skew stringers the lifting hooks are to be placed 8'-10 from the midpoint of the unit.

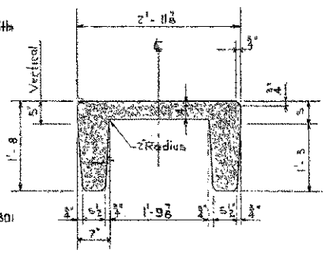
SKEW STRINGER
Scale ¾"=1'-0



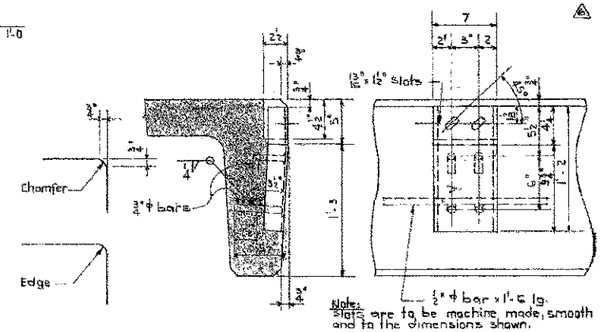
DESIGN LIVE & DEAD LOAD MOMENT ENVELOPE
N.T.S.



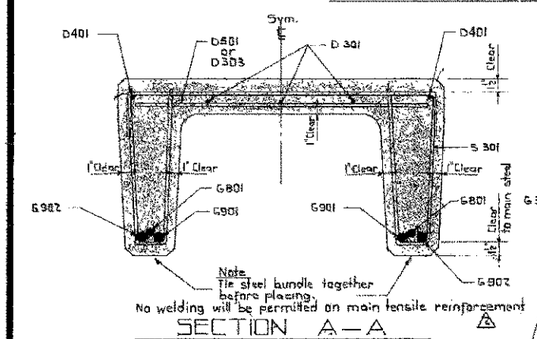
REINFORCEMENT ELEVATION
Scale ¾"=1'-0



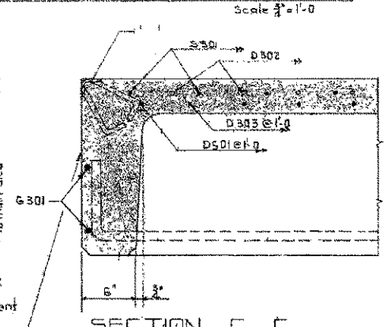
SECTION A—A
Scale ¾"=1'-0



STRINGER CONNECTORS
Scale 1½"=1'-0

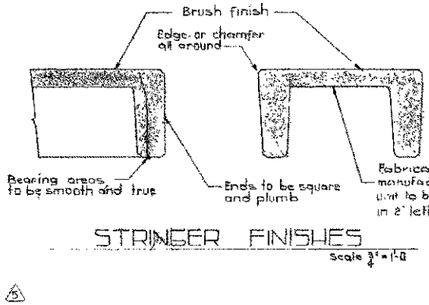


SECTION A—A
Scale 1½"=1'-0

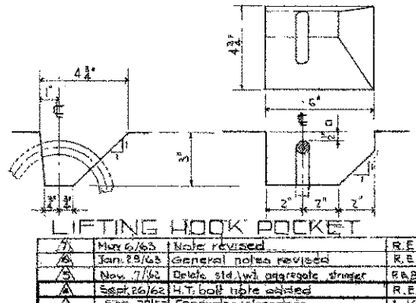


SECTION C—C
Scale 1½"=1'-0

Serial number of unit to be cast into end of unit in numbers 2" high



STRINGER FINISHES
Scale ¾"=1'-0



LIFTING HOOK POCKET
Scale 3/4"=1'-0

GENERAL NOTES :

DESIGN

A.A.S.H.O. 1961 Specification except, live load is as shown above.
Dead load includes 2" wearing surface

MATERIALS

All concrete materials shall conform to A.S.T.M. specifications
Concrete shall be of light weight aggregate with maximum size ¾".
Minimum compressive strength shall be 4000 p.s.i. at 28 days.
Entrained air shall fall between the limits of 5% & 8%.
Reinforcing steel shall be of intermediate grade conforming to the C.S.A. specification G30.1-1954 and deformed to conform to G30.6-1954.
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.

FABRICATION

Concrete must reach 30% of the required 28 day compressive strength before stripping and lifting.
Each girder shall have a cast camber of ¾".
All acute corners on skewed girders to have ¾" chamfer.
Each connector is to be supplied with 1-¾" heavy hex structural bolt 2" long, 3 hardened flat washers and 1 heavy hex semi finished nut, all conforming to ASTM A 325.
Connectors and bolts are to be provided by the stringer fabricator.
Bolts are to be placed with one washer under the head and one washer under the nut.
Fill any free space between the connectors with washers.

Units are to conform to the requirements of the Bridge Branch Specifications for Precast Concrete Bridge Units dated January 25th, 1963.

SUPERSEDED (1)

DESIGNED BY S.R.M. DATE May 18 62
DETAILED BY L. Kohlmann DATE May 18 62
CHECKED BY DATE May 18 62

NO.	DATE	DESCRIPTION	BY
		REVISIONS	
7	May 6/65	Note revised	R.E.
6	Jan. 29/65	General notes revised	R.E.
5	Nov. 7/62	Delete, std. wt. aggregate, drawer	R.B.B.
4	Sept. 26/62	H.T. bolt note added	R.E.
3	Sep. 28/62	Connector clearance	L.K.
2	Aug. 28/62	General revision	L.K.
1	Aug. 1/62	Extended bars G801, 4', G901	B.W.S.

PRECAST CONCRETE
28 FT. SPAN TYPE "HC"
INTERIOR STRINGER

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

FILE NO. _____ HWY. NO. _____ DWG. NO. S-781
LOCATION _____ SCALE as shown
STREAM _____ SHEET _____ OF _____